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ABSTRACT

Provided in this guide are annotated lists of teacher and student resources for teaching and learning about nuclear issues in the elementary/junior high school (grades K-8). Resources are grouped into five major sections. The first section (background reading for teachers) contains books and articles focusing on nuclear issues (nuclear war; arms race/disarmament; nuclear weapons and policy making; nuclear weapons/power link; nuclear power; health and environmental impacts; and safe energy alternatives) and approaches to teaching about nuclear issues (addressing developmental/psychological considerations about peace education; values education; and recognizing propaganda). The second section lists classroom materials on nuclear issues: (1) curriculum guides, teaching units, plays, and teacher resources on peace education and (2) student/teacher materials on safe energy versus nuclear power, including teaching units, curriculum guides, simulation exercises, texts, plays, coloring books, and catalogs. Fiction and non-fiction books for children to read on their own are presented in the third section, grouped by K-3, 4-6, and 7-8 grade levels. A list of peace groups and safe energy organizations is provided in the fourth section. The last section lists over 100 slide shows, films, and audio tapes which provide a broad choice of resources on nuclear weapons/war, nuclear energy/weapons, and alternative energy. (JN)

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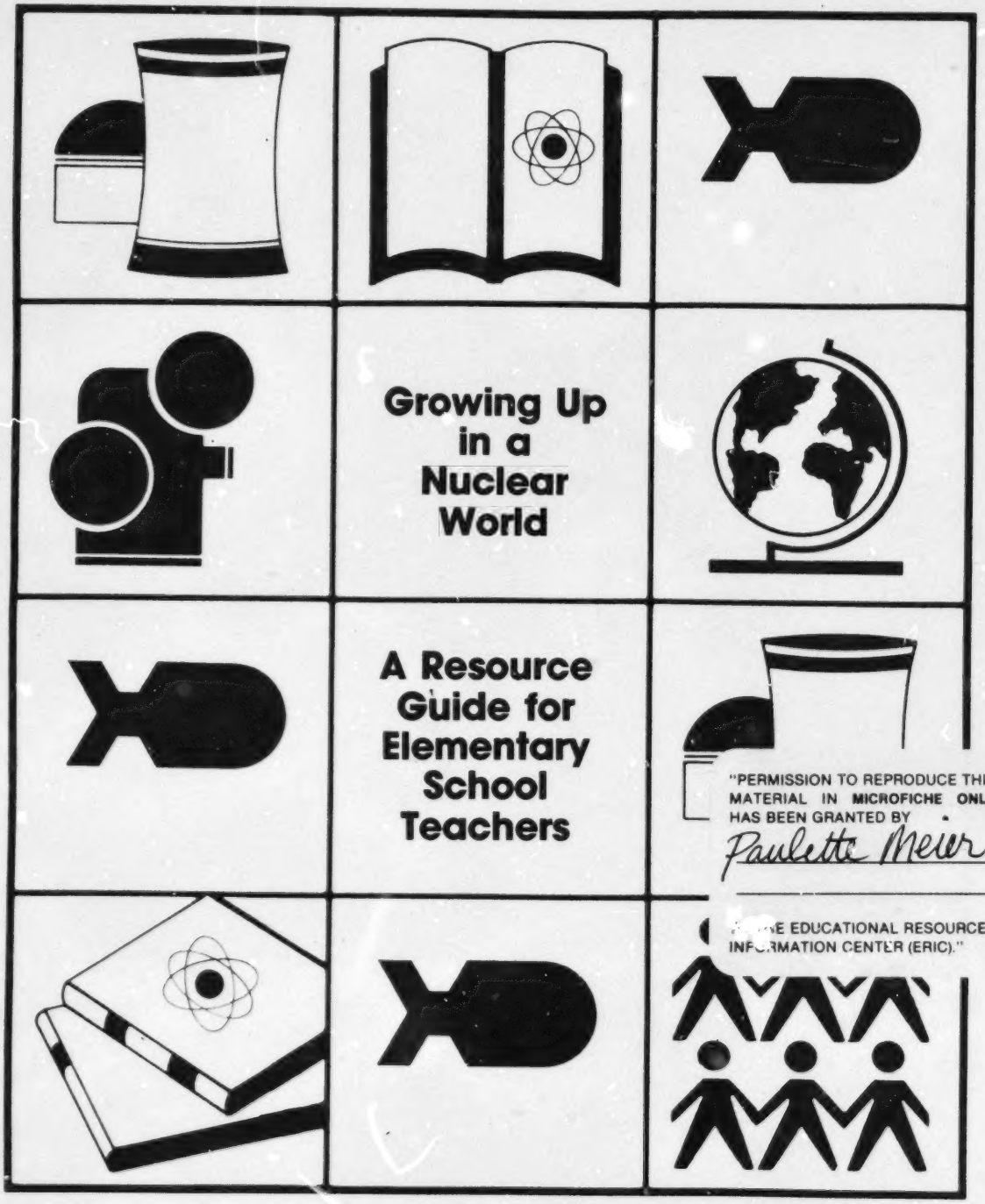

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Growing Up in a Nuclear World: A Resource Guide for Elementary School Teachers

by
Paulette Meier
Beth McPherson

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Founded in 1978, the Nuclear Information and Resource Service (NIRS) is a non-profit organization serving the growing number of citizens who are concerned about nuclear power and nuclear weapons. NIRS provides reliable, up-to-date information in a wide range of factual publications.

Teacher's Guide
Introduction

Nearly forty years ago, the United States exploded the first nuclear bomb over Hiroshima, Japan. In the 1950's, the commercial nuclear power program was launched as a "peaceful" offshoot of the nuclear weapons program. Succeeding decades have revealed the dangers posed by these two intertwined technologies. The continuing escalation of the nuclear arms race, and the proliferation of nuclear power at home and abroad, have brought the current generation face to face with the dilemmas of living in a nuclear age.

In this crucial period of history, teachers have the special responsibility of interpreting history to our society's young. Educators must confront each day the questions and concerns of young Americans. If tomorrow's citizens are to grapple realistically with nuclear issues, they must begin to discuss and examine them in the classroom today.

Unfortunately, it is difficult for teachers to promote a full discussion of these issues, because they lack easy access to unbiased materials. Much of the available literature on nuclear issues is inappropriate for school-age children. On the other hand, many organizations which do produce materials suitable for classroom use have not actively publicized their resources to educators.

In recent years, this situation has prompted hundreds of educators to write to NIRS in search of educational materials which present a critical examination of the nuclear weapons and nuclear power issues. This resource guide is a response to those requests. It reaches publication at a time when public awareness of nuclear hazards is at an all-time high, and when professional educators are beginning to get actively involved. We hope that this selection of materials will enhance recent efforts to get nuclear issues into the classroom.

A few final observations concern the important gaps which an informal NIRS survey found in the existing body of literature—gaps which we hope educators and publishers will try to fill in coming years:

- First, as most educators already know, existing textbooks by and large provide a grossly inadequate treatment of both nuclear power and nuclear weapons issues. Few texts offer a balanced view of the nuclear power question, if they address it at all. In fact, a recent survey conducted by the National Science Teacher's Association showed that most teachers who incorporate energy education in their curriculum do so with their own self-made materials. A major incentive to those who do not teach energy would be the availability of good inexpensive materials, according to 54% of the teachers polled. (See Dec. 1982 *Energy & Education*.) After a survey of 19 new edition high school history textbooks, Social Studies Education Professor Dan B. Fleming concluded that "the textbooks gave little significant coverage to the notions and realities of nuclear war."
- Second, on the subjects of nuclear energy and renewable energy sources, there is still a pressing need for unbiased materials which are suitable for classroom use with elementary and junior high school children.
- Third, most child-oriented materials on the nuclear arms race portray war-peace issues in isolation from other urgent social issues, such as poverty, hunger and social injustice. More forthright classroom materials are needed to help children begin to understand the complex relationships and competing interests which cause international conflict.
- Finally, the past year has witnessed a surge of research activity on the psychological effects of the nuclear threat on children. Further research is needed, but there is also a tremendous need for curricula which incorporate current research findings. The National Education Association curriculum for junior high students, currently being piloted, is a good step in that direction.

Many people have assisted in the preparation of this Guide. In particular, we wish to thank Lawrie Harris for generously contributing her time and efforts in surveying the peace organizations listed in the Guide. We are also grateful to Heidi Shepherd and Anne Moore, for their work in surveying materials in the early stages of this project. Finally, we want to express our appreciation to Ann Roberts, The New World Foundation, and The Evergreen Fund for providing financial support for this project.

Notes on using the Guide: 1) Many of the entries, particularly books, were not reviewed by NIRS. In these cases, annotations are from several of the organizations listed in the last section of the Guide, frequently Educators for Social Responsibility and the War Resister's League. 2) Prices are noted in most, but not all, cases. Mailing charges, where known, appear in addition to the price. Payment is expected with the order, and quantity discounts are usually available. 3) Approximate grade levels have been indicated in Section II, when known. 5) All films and other audio-visual materials are listed in the NIRS Audio-Visual Resource Guide, following the listing of organizations.

Table of Contents

I. Background Reading for Teachers—An Annotated List of Books and Articles . . . 1
A. Nuclear Issues . . . 1
1. Nuclear War . . . 1
2. Arms Race/Disarmament . . . 1
3. Nuclear Weapons and Policy Making . . . 2
4. Nuclear Weapons/Power Link . . . 2
5. Nuclear Power . . . 2
6. Health and Environmental Impacts . . . 3
7. Safe Energy Alternatives . . . 3
B. Approaches to Teaching About Nuclear Issues . . . 3
1. Peace Education: Developmental and Psychological Considerations . . . 3
2. Values Education: Decision Making in a Nuclear World . . . 4
3. Recognizing Propaganda . . . 4
II. Classroom Materials on Nuclear Issues—An Annotated List . . . 5
A. Peace Education: Curriculum Guides, Teaching Units, Plays, Teacher Resources . . . 5
B. Safe Energy vs. Nuclear Power . . . 6
1. Teaching Units, Curriculum Guides and Simulation Exercises . . . 6
2. Pupil Texts, Plays, Periodicals and Coloring Books . . . 7
3. Teacher Resource Materials and Catalogues . . . 8
III. Books for Children to Read on their Own—An Annotated List . . . 9
A. Fiction . . . 9
1. Grades K–3 . . . 9
2. Grades 4–6 . . . 10
3. Grades 7–8 . . . 11
B. Non–Fiction . . . 11
1. Grades K–3 . . . 11
2. Grades 4–6 . . . 11
3. Grades 7–8 . . . 12
IV. Peace Groups and Safe Energy Organizations—An Annotated List . . . 13
V. Audio-Visual Resources . . . 19

SPEAKERS BUREAUS

The following organizations can assist teachers in finding speakers for their schools on the topics of radiation hazards, nuclears war and the arms race, civil liberties, nuclear power and solar energy (see Organizations listing, p. 13):

Federation of American Scientists
Council for a Liveable World
Physicians for Social Responsibility
National Association of Atomic Veterans
Campaign for Political Rights
Nuclear Information and Resource Service

I. Background Reading for Teachers—*An Annotated List of Books and Articles*

A. Nuclear Issues

1. *Nuclear War.*

CAMBRIDGE AND NUCLEAR WEAPONS. Ed., Beeferman. City of Cambridge, Massachusetts, 1981.

Concise, effective description of the devastation that a nuclear attack would cause in one community, concluding with the argument that prevention is the only valid form of defense. The City Council of Cambridge commissioned the pamphlet and distributed it free to all city households after finding the State Civil Defense plan seriously misleading. It could well serve as a model for other communities.

DARKENING VALLEY: A BIBLICAL PERSPECTIVE ON NUCLEAR WAR. Dale Aukerman. Seabury Press, 1981.

For teachers seeking a Christian context, the Riverside Church Disarmament Program highly recommends this book, calling it "the most significant work on Christian discipleship since Bonhoeffer."

THE EFFECTS OF NUCLEAR WAR. Office of Technology Assessment, U.S. Congress. Osmun Allanheld (81 Adams Drive, Totowa NJ 07512), 1980. $9.95. (Free 25-page summary from Publishing Office, OTA, Washington DC 20510.)

The basic government reference work on the subject: examines the social, economic and physical effects of nuclear attacks at levels from a single weapon all the way to a full-scale war, including minimum short- and long-term repercussions.

THE FATE OF THE EARTH. Jonathan Schell. Knopf, 1982. $11.95.

This widely read, eloquent essay on nuclear weapons and their implications for the future of the planet first appeared as a three-part *New Yorker* article. Schell's analysis of the utterly devastating global consequences of a major nuclear attack necessarily leads to his conclusion that we must "break through the layers of our denials, put aside our fainthearted excuses, and rise up to cleanse the earth of nuclear weapons."

THE FINAL EPIDEMIC: PHYSICIANS AND SCIENTISTS ON NUCLEAR WAR. Ed., Adams and Cullen. University of Chicago Press, 1982. $4.95.

Essays by distinguished physicians and scientists present the frightful medical consequences of a nuclear attack, analyze existing nuclear arsenals, and lay out means to prevent "the final epidemic."

LIFE AFTER NUCLEAR WAR. Arthur M. Katz. Ballinger, 1982. $27.50; $14.95, paper.

Argues forcefully that it would not be possible to recover from even a limited nuclear war: society as we know it would be permanently damaged.

NUCLEAR NIGHTMARES: AN INVESTIGATION INTO POSSIBLE WARS. Nigel Calder. Penguin, 1981. $3.95.

With meticulous research, the author describes the four most likely routes toward nuclear disaster, and outlines ways in which all of these nightmares might be prevented from coming about.

2. *The Arms Race/Disarmament.*

THE BULLETIN OF THE ATOMIC SCIENTISTS. Monthly publication of the Educational Foundation for Nuclear Science (1020 East 58th Street, Chicago IL 60637). Available in most libraries.

Important source of articles on nuclear weapons, arms control, energy and other questions affecting the survival of mankind.

THE DAY BEFORE DOOMSDAY. Sidney Lens. Beacon Press, 1978. $6.50.

A clear, chilling exposition of the race for nuclear supremacy that began at Hiroshima and continues today. Pointing to several occasions on which the U.S. government has considered the use of nuclear weapons, Lens calls for popular mobilization to reverse the drift towards doomsday.

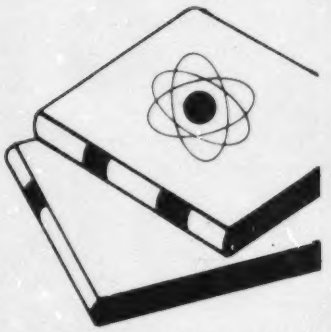
DISARMAMENT. Summary of Comprehensive Study on Nuclear Weapons. UN Fact Sheet No. 17 (order from UN Centre for Disarmament, New York NY 10017), 1978. Free.

Excellent outline of deterrence theory and of the need for and steps toward achieving disarmament, especially nuclear disarmament. Recommended stages: (1) discontinuation of weapon improvements; (2) cessation of production, and (3) progressive reduction of stockpiles.

IN YOUR HANDS: A CITIZEN'S GUIDE TO THE ARMS RACE. Kitty Campbell Mattes. Parents for Peace (140 West State Street, Ithaca NY 14850).

Strong, informative anti-armaments statement, providing a short history of the nuclear arms race since 1945 and comments on economic implications and possibilities for the future.

MAKERS OF THE NUCLEAR HOLOCAUST: A GUIDE TO THE NUCLEAR WEAPONS COMPLEX AND CITIZEN ACTION. Nuclear Weapons Facilities Project



(Box 271, Nyack NY 10960), 1981.

Informed technical account of the development, production and deployment of nuclear weapons; suggestions for conversion of industry to a civilian economy.

MAKING THE ABOLITION OF WAR A REALISTIC GOAL. Gene Sharp. Institute for World Order (777 United Nations Plaza, New York NY 10017), 1980. $1.

Tightly reasoned, prize-winning essay that describes how a nonviolent, civilian-based defense might be created alongside the existing military systems and eventually replace them. Sharp points out that forms of nonviolent struggle were used successfully against foreign invaders or internal usurpers in the Ruhr in 1923, in Holland, Denmark and Norway during World War II, and in Czechoslovakia during the first months of the Soviet occupation.

NATIONAL DEFENSE. James Fallows. Random House, 1981. $12.95.

Examines why defense costs have risen and what we are getting for our money; outlines priorities that must be established if we are to develop a reliable and affordable defense system.

NUCLEAR ILLUSION AND REALITY. Solly Zuckerman. Viking, 1982. $10.95.

Britain's Lord Zuckerman, who has intimate knowledge of the workings of military and scientific bureaucracies, argues that it is still possible to curb the stockpiling and refining of nuclear weapons. The goal, he says, must be a Comprehensive Test Ban treaty.

THE PRICE OF DEFENSE. Boston Study Group. Times Books, 1979. $15. (Summarized in *Scientific American,* October 1978, pgs. 48–61.)

Forceful and detailed argument that defense spending could be cut by 40 percent over the next decade, without sacrificing adequate defense.

PRIMER ON THE ARMS RACE. Educators for Social Responsibility. (639 Massachusetts Avenue, Cambridge MA 02139.)

A collection of articles giving background

information on the arms race including a section on starting a local chapter of Educators for Social Responsibility.

3. *Nuclear Weapons and Policy-Making.*

"BUT WHAT ABOUT THE RUSSIANS?" John E. Mack. *Harvard* Magazine (7 Ware Street, Cambridge, MA 02128), March–April 1982.

A psychiatrist who has studied the psychosocial impacts of the nuclear age considers the unquestioned assumption that the Soviet Union is unrelentingly aggressive and bent on world conquest, and that U.S. behavior is entirely peaceful and defensive.

THE NUCLEAR BARONS. Peter Pringle and James Spigelman. Holt, Rinehart and Winston, 1981. $16.95.

Looks at the international elite of scientists, technocrats and businessmen who have controlled nuclear energy policy for some four decades.

PROTEST AND SURVIVE. Ed., Thompson and Smith. Monthly Review Press, 1981. $4.95.

A broad spectrum of information and opinion on the dangers inherent in U.S. military and foreign policy. Pentagon plans for a possible "theatre" nuclear war, with Europe as its missile base and consequently its proxy target, are seen as especially invidious.

RESTORING AMERICAN POWER IN A DANGEROUS DECADE. Richard Barnet. Simon & Schuster, 1981. $4.95.

Lucid and thorough discussion of what real security means in today's nuclear age. Barnet provides an excellent review of American foreign policy and the thinking of military strategists since World War II, and explains how nuclear weapons became fearful tools of foreign policy.

STOP NUCLEAR WAR: A HANDBOOK. David Barash, Ph.D., Judith Lipton, M.D. Grove Press, Inc. (196 West Houston St., New York, NY 10014), 1982. 395 pp. $7.95.

Full of facts and figures on the arms race, but geared toward empowerment of the reader to take action. The first chapter lists 27 specific things the U.S. can do to avert nuclear war, followed by a chapter on the nuts and bolts of citizen action. Good book for raising hopes about stopping the madness.

WORLD MILITARY AND SOCIAL EXPENDITURES. Ruth Leger Sivard. (Order from: World Priorities, Inc. Box 1003, Leesburg VA 22075), 1982. $4.00.

Unique, widely praised annual survey documenting the world's mistaken priorities and the failure of the arms control campaign to date. A profusion of statistics, tables, and charts show that world expenditures for arms, running at $550 billion a year, are steadily draining national economies and diverting resources from the most basic social needs. (See Section II for information on a Study Guide to the 1981 edition.)

4. *Nuclear Weapons/Power Link.*

THE CURVE OF BINDING ENERGY. John McPhee. Ballatine, 1974. $1.95.

A highly regarded staff writer for the *New Yorker* magazine recounts how he learned about the all-too-real prospect of private nuclear proliferation in a series of travels to nuclear installations with noted theoretical physicist Theodore B. Taylor.

ENERGY/WAR: BREAKING THE NUCLEAR LINK. Amory B. and L. Hunter Lovins. Friends of the Earth, 1980. $10. Harper & Row, $4.95, paper.

Argues that nuclear power spreads nuclear weapons and makes necessary the continued dependence of America on foreign oil.

NUCLEAR MADNESS: WHAT YOU CAN DO. Dr. Helen Caldicott. Bantam, 1981.

A pediatrician who has seen many children die from leukemia clearly describes the dangers we face from nuclear power, production and armaments, and insists that as "curators of life on earth at a crossroads" we must mobilize against assured destruction. A brief, compelling statement by a woman who has worked tirelessly in the anti-nuclear cause.

5. *Nuclear Power.*

THE CULT OF THE ATOM: THE SECRET PAPERS OF THE ATOMIC ENERGY COMMISSION. Daniel Ford. Simon and Schuster, 1982. (Order from: Union of Concerned Scientists Publications, 1384 Massachusetts Ave., Cambridge, MA 02238). $10.00.

A shattering expose of the U.S. nuclear power program since its beginning in 1946. Explains how the dream of cheap energy has turned into a technical and economic nightmare. Well-written book; the intrigue is so captivating, it's hard to put down.

"IRREVY," AN IRREVERENT, ILLUSTRATED VIEW OF NUCLEAR POWER. John W. Gofman. Committee for Nuclear Responsibility (P.O. Box 11207, San Francisco CA 94101), 1979. $3.95.

A collection of talks given by a physicist-physician who is one of the best informed and most outspoken opponents of nuclear power. Many pertinent cartoons.

NO NUKES: EVERYONE'S GUIDE TO NUCLEAR POWER. Anna Gyorgy and Friends. South End Press (Box 68, Astor Station, Boston, MA 02123), 1979. $15; $10, paper.

The primer of the anti-nuclear movement: examines the dangers which each phase of the nuclear fuel cycle poses to the environment and human health, chronicles the rise of opposition to reactors and looks at the alternatives.

NUCLEAR POLLUTION. The Environmental Task Force (1346 Connecticut Ave. NW, Washington DC 20036), Fall 1982 issue of *Resources*. $3.00.

A special report on the current status of the nuclear power controversy, from an anti-nuclear perspective. Features articles by key activists on nuclear economics, waste disposal, transportation, and links to the weapons program. Includes a detailed listing of local anti-nuclear groups around the country, useful for teachers seeking local speakers and local information.

NUCLEAR POWER. Walter C. Patterson. Penguin, 1976. $3.95.

Remarkably clear and readable survey that goes toward tearing away the veil of mystery surrounding nuclear safety issues.

NUCLEAR POWER: THE BARGAIN WE CAN'T AFFORD. Richard Morgan. Environmental Action Foundation (724 Dupont Circle Building, NW, Washington DC 20036), 1977. $4.95.

Well-documented discussion of the poor economics of nuclear power generation when hidden costs are included.

NUCLEAR POWER: BOTH SIDES, THE BEST ARGUMENTS FOR AND AGAINST THE MOST CONTROVERSIAL TECHNOLOGY. Ed., Kaku and Trainer. Norton, 1982.

Experts on both sides discuss such issues as radiation, waste disposal, reactor safety and more.

A NUCLEAR POWER PRIMER: ISSUES FOR CITIZENS. League of Women Voters (1730 M Street NW, Washington DC 20036), 1981. $2.50.

Objective, detailed analyses of the major controversies surrounding nuclear power, including reactor safety, regulation, economics and weapons proliferation. Impacts of nuclear power on social and political institutions also examined.

THREE MILE ISLAND: THIRTY MINUTES TO MELTDOWN. Daniel F. Ford. Penguin, 1982. $5.95.

Explains how the accident happened, how it was handled and what these events mean for the future of nuclear power.

TIME BOMB: UNDERSTANDING THE THREAT OF NUCLEAR POWER. Corinne Browne and Robert Munroe. Morrow, 1981. $11.95.

Tracés the history of nuclear power from the wartime Manhattan Project through the development of the civilian atomic power project and the Navy's crash program under Admiral Rickover. Authors argue that nuclear power is an inherently unsafe technology that endangers us all.

WE ALMOST LOST DETROIT. John G. Fuller, Reader's Digest Press, 1975. $1.95.

Chilling account of a near disaster at the atomic reactor outside Detroit, Michigan, together with a thoughtful analysis of the accident's implications for the use of atomic fission to provide electricity.

6. *Health and Environmental Impacts.*

KILLING OUR OWN: THE DISASTER OF AMERICA'S EXPERIMENT WITH ATOMIC RADIATION. Harvey Wasserman et al. Delacorte/Delta, 1982. $16.95; $12.95, paper.

Collects evidence from those who have suffered from exposure to radiation: survivors of Hiroshima and Nagasaki, participants in nuclear bomb tests, farmers near reactors and the people of Three Mile Island.

A NUCLEAR WASTE PRIMER. League of Women Voters Education Fund (1730 M Street NW, Washington DC 20036), 1980. #391, $1.95.

Basic information on sources and types of radioactive waste. Describes issues and opportunities for citizens to participate in future decisions about government waste management policies.

RADIATION AND HUMAN HEALTH. Dr. John W. Gofman. Sierra Club Books, 1981. $29.95.

A physician and scientist with 40 years experience in the field of radiation and human health examines all relevant studies of radiation effects on humans. His conclusion: there is no safe level of exposure.

RADWASTE: A REPORTER'S INVESTIGATION OF A GROWING NUCLEAR MENACE. Fred C. Shapiro. Random House, 1982. $13.95.

Examines the possibilities for safe and permanent containment of nuclear wastes that can remain lethal for as long as 240,000 years.

7. *Safe Energy Alternatives.*

ENERGY FOR SURVIVAL: THE ALTERNATIVE TO EXTINCTION. Wilson Clark. Doubleday Anchor Books, 1975. $4.95.

One of the best general books on energy issues: several good chapters on the potential for various forms of renewable energy.

ENERGY FUTURE: REPORT OF THE ENERGY PROJECT AT THE HARVARD BUSINESS SCHOOL. Ed., Stobaugh and Yergin. Ballantine, 1979. $2.95.

Lucid, balanced appraisal presenting reader with a choice for the future: a policy of importing more energy from OPEC or one of conservation with development of simple solar technologies. Report opts for the latter, and lays out course of action in managerial terms, assessing cost, risk, incentive and profit from business point of view.

THE POLITICS OF ENERGY. Barry Commoner. Knopf, 1979. $10; $4.95, paper.

A noted scientist argues for a new energy economy based on direct solar energy and other renewable resources. (First appeared in the *New Yorker* magazine.)

B. Approaches to Teaching about Nuclear Issues

1. *Peace Education: Developmental and Psychological Considerations.*

APPROACHING DISARMAMENT EDUCATION. Ed., Haavelsrud. Ann Arbor Science Publishers, 1981. $37.95.

Collection of essays illustrating the problems experienced in carrying out various approaches to disarmament education.

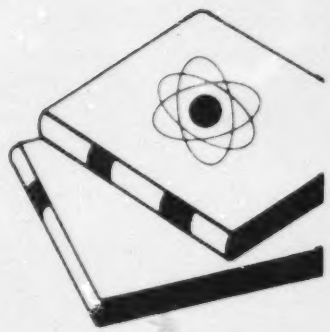
CHILDREN AND WAR. Norma R. Law. Association for Childhood Education International (3615 Wisconsin Avenue NW, Washington DC 20007), 1973. $.35.

Some insights into educating for peace are gained from children's own writings and from the results of a survey of children and their teachers.

DESPAIR WORK: AWAKENING TO THE PERIL AND PROMISE OF OUR TIMES. Joanna Macy. New Society Publishers, (4722 Baltimore Avenue, Philadelphia PA 19143). $2.45.

In a 32-page pamphlet, Joanna Macy describes despairing feelings that arise in many people as a result of the specter of nuclear annihilation. Her suggestions on how to deal constructively with that sense of despair can help teachers deal sensitively with their students' fears and sense of hopelessness.

EDUCATION FOR PEACE, FOCUS ON MANKIND. Ed., Henderson. Association for Supervision and Curriculum Development (Washington DC), 1973.



Important and informative collection of essays intended to equip teachers to educate more effectively for peace. Includes Sibylle Escalona's 1962 essay "Children and the Threat of Nuclear War," which offers sensitive advice from a developmental point of view on how parents and teachers can help children deal with their anxieties about the world situation.

INTERNATIONAL PEACE STUDIES NEWSLETTER. Center for Peace Studies, The University of Akron (Akron, OH 44325). Single copies, FREE. Additional copies, $.15 each.

A special issue of this usually college-oriented newsletter was devoted to peace studies at the elementary and secondary level. Provides an excellent overview of four general approaches to peace education, including a section on "how to get peace studies going in your schools." Ask for Vol. 8, No. 3, Spring, 1979.

MILITARISM AND EDUCATION. Interracial Books for Children (1841 Broadway, New York NY 10023), 1982. $3.50.

A special issue of this organization's regular publication, *Bulletin*. Provides superb articles on such topics as the militaristic nature of video games, militarism in juvenile fiction, military draft education, etc. *Highly Recommended for Teachers.*

PEACEMAKING. Ed., Stanford. Bantam Books, 1976.

Compendium of articles and excerpts from literature, with many useful exercises to involve the reader. While the emphasis is more on personal conflict resolution than on group processes, the material is so interesting and clear that it would be a good starting place for teachers.

PSYCHOSOCIAL ASPECTS OF NUCLEAR DEVELOPMENTS. American Psychiatric Association (1700 18th St. NW, Washington DC 20009).

Addresses psychosocial impacts of the

arms race, US-USSR relations, terrorism, the accident at Three Mile Island. Includes a review of the relevant literature.

UNDERSTANDING AND RESPONDING TO VIOLENCE IN YOUNG CHILDREN. Ed., Genser. Center for Teaching about Peace and War, 1976. $1.50.

Four complementary essays on the beginnings of peace teaching.

WHAT CAN WE TELL THE CHILDREN. Vivienne Verdon-Roe. (6511 Gwyn Rd. Oakland, CA 94611).

And What Can the Children Tell Us is the working title of a collection of poetry, essays, letters, comments and ideas by children about nuclear weapons. The new book is open to review of professionals' analyses of the feelings of children as well as the offerings of children themselves. Your assistance is requested in developing this work.

WHAT TO TELL THE CHILDREN. Education Committee, Almeda County Nuclear Weapons Freeze Campaign (4042 Broadway, Oakland, CA 94611), 1982. $5.00.

A collection of articles and discussion guides. Orientation of some of the resources provides is toward the local area in California.

2. *Values Education: Decision-Making in a Nuclear World.*

DO YOU REFEREE WHEN YOU REALLY WANT TO TEACH? Fellowship of Reconciliation (Box 271, Nyack NY 10960). $.10.

Describes an "affirmation and sharing" approach that builds self-esteem and cooperation among children.

"ENERGY EDUCATION: RESPONDING TO THE NUCLEAR POWER CONTROVERSY." Kathleen M. Fry-Miller, M.Ed. *Young Children:* The Journal of the National Association for the Education of Young Children, May, 1982. Reprints available from the author (1820 Drexel Ave., Fort Wayne, IN 46806). $1.00.

A fine article covering two pertinent areas of interest: 1) low-level radiation: its sources and health effects, particularly as they relate to children, and 2) approaching the nuclear power controversy with young children through teaching about hopeful energy alternatives.

HANDLING CONFLICT AND AGGRESSIVE BEHAVIOR IN THE CLASSROOM. Abrams, Schmidt, Hoskins, Klein. J. Weston Walch (Portland ME), 1977.

Ways for teachers to assess and improve their methods of managing aggression and conflict, which are inevitable and sometimes positive forces in the classroom.

NEITHER VICTIMS NOR EXECUTIONERS. Albert Camus. Seabury Press, 1980. $2.95.

A new edition of Camus' classic introduction to the values underlying work for a world without war. A preface by Robert Pickus applies Camus' themes to contemporary peace politics.

TEACHING CHILDREN TO CARE. Dorothy Kobak, Ph.D. *Children Today* Magazine, March–April 1979.

Amid growing conflict and tension, the need for caring individuals in the community and society is more urgent than ever before. In this article, a psychiatric school social worker describes a "caring curriculum" that has been used successfully in several New York City schools. Techniques include a daily class dialogue period and planned use of creativity tools and action projects.

TEACHING HUMAN DIGNITY. Miriam Wolf-Wasserman and Linda Hutchinson. Education Exploration Center (P.O. Box 7339, Powderhorn Station, Minneapolis MN), 1978. $7.95.

Collection of teachers' first-hand accounts of their experiences teaching a variety of topics related to human dignity and/or social change. The topics they tackled ranged from imperialism and colonialism, drugs, crime and imprisonment to women's rights and death and dying. They report on a variety of approaches that yielded positive results with students in terms of heightened understanding and sense of purpose.

3. *Recognizing Propaganda.*

CHILDREN AND WAR: POLITICAL SOCIALIZATION TO INTERNATIONAL CONFLICT. Howard Tolley, Jr. Teacher's College Press (P.O. Box 1540, Hagerstown MD 21740), 1973. $7.50.

Though focused on the "political socialization" of children to the Vietnam War in particular, this study contains many insights of more general applicability.

HUCKSTERS IN THE CLASSROOM: A REVIEW OF INDUSTRY PROPAGANDA IN SCHOOLS. Sheila Harty. Center for Study of Responsive Law (P.O. Box 19367, Washington DC 20036), 1979. $10.

This important book brings the issue of corporate propaganda into the limelight where it belongs. The "educational materials" that corporations and trade associations shower on U.S. classrooms may seem innocuous and useful (and, best of all, free), but their purpose, so the author argues, is less public-spirited than commercial. In general, businesses expect to indoctrinate captive audiences and establish lifetime brand loyalties. In the case of the nuclear industry's forays into schools, with filmstrips, comic books and activity guides, the intent is more specifically to cultivate a badly needed future constituency in support of nuclear power.

KNOW NUKES: NUCLEAR POWER ISSUES CURRICULUM PROJECT. Mitch Thomashow and David Sobel. Environmental Studies, Antioch New England Graduate School (Rocksbury St., Keene, NH 03431). $4.00 **Gr. 8–12.**

A booklet comprised of lesson plans and a series of worksheets for actual classroom use. Designed to help students recognize propaganda techniques and understand the moral dilemmas of nuclear power development. Part I: Techniques of Persuasion and the Nuclear Power Controversy; Part II: Values and Nuclear Power Education. Excellent way for social studies or science teachers to introduce any controversial issue into the classroom.

NUKESPEAK: THE SELLING OF NUCLEAR TECHNOLOGY IN AMERICA. Hilgartner, Bell and O'Conner. Sierra Club Books (530 Bush Street, San Francisco CA 94108), 1982. $14.95.

Three journalists look at the nuclear industry and the U.S. government's use of doubletalk to sell nuclear power to the U.S. public. War is referred to as a "nuclear exchange" and the accident at Three Mile Island is called a "plant transient." India is allowed to label its bomb a "peaceful nuclear device." Great for English teachers!

PROPAGANDA ON FILM: A NATION AT WAR. Richard A. Maynard. Hayden Books, $4.95.

Describes the relationship between motion pictures and political propaganda, with examples of German, Soviet and American uses since World War I. Much of the exploration of modern propaganda techniques is relevant to television programming as well, and will serve as useful background for teachers.

II. Classroom Materials on Nuclear Issues—*An Annotated List*

A. Peace Education: Curriculum Guides, Teaching Units, Plays, Teacher Resources

AN APPROACH TO PEACE EDUCATION. UNICEF School Kit No. 6. U.S. National Committee for UNICEF (331 East 38th Street, New York NY 10016). $5. **Gr. 5–10.**

This kit on disarmament, development and the child contains units on solving conflicts, on the world's vast military spending, and on the indirect violence that results from denial of basic human needs. The information assesses, and encourages children to consider together, how existing mechanisms of international law such as the United Nations can work to resolve problems. Many ideas and activities, fact sheets, graphs, a wall poster and other visual aids.

BUILDING BLOCKS FOR PEACE. Margaret Comstock. Jane Addams Peace Association (1213 Race Street, Philadelphia PA 19107), 1973. $2. **Kindergarten.**

Small activity guide based on the notion that learning to keep peace requires a sense of self and of belonging to family, school and a world family of children of differing cultures. Games, songs, things to make and do.

CHOICES: A CURRICULUM ON CONFLICT AND NUCLEAR WAR. National Education Association. (Inquiries addressed to: Instruction and Professional Development Department, 1201 16th St. NW, Washington DC 20036).

Currently in pilot testing stage; to be available in January, 1983. For **junior high students,** this 10 lesson curriculum was designed by the Union of Concerned Scientists and the Massachusetts Teachers Association, in conjunction with the NEA. Topics range from the nature of conflict to a discussion of the present military build-up's relationship to U.S. domestic need and foreign policy goals. The last lesson includes several class projects designed to encourage students to "translate knowledge into action."

CONFLICT IS. . . . World Without War Council (1730 Grove Street, Berkeley CA 94709). $.50. **Gr. 5–8.**

This simple unit helps children recognize and "mark off" conflict in newspaper accounts, TV broadcasts and personal experiences. After identifying different kinds of conflict—personal, group, national and international—they are asked to offer appropriate non-violent resolutions.

A DAY OF DIALOGUE: PLANNING AND CURRICULUM RESOURCE GUIDE. Educators for Social Responsibility (639 Massachusetts Ave., Cambridge MA 02139), 1982. $12.50. **Gr. K–12.**

The work of over 60 educators, parents, and students, this resource book was prepared for October 25th, 1982, a day set aside during International Disarmament Week to focus on the needs of students around the issues of war and peace. The GUIDE includes reprints of articles on the psychological effects of the arms race on children, a discussion of developmental considerations in handling nuclear issues in the classroom, resource listings and a wide variety of suggested classroom activities, categorized by grade level. These include games, poems, lessons on such topics as analyzing statistics on U.S. vs. U.S.S.R. nuclear capabilities, discussion guides for various books and articles, etc. ESR intends to publish this material in different formats, so check with them for future options.

THE DISARMAMENT COLORING BOOK. Johanna Vogelsang. Women Strike for Peace (201 Massachusetts Avenue NE, Washington DC 20002), 2nd ed., 1982. $1.25.

Lively drawings make the point that the arms race drains off money that is needed for schools, houses and jobs.

EDUCATING FOR PEACE AND JUSTICE: A MANUAL FOR TEACHERS. James and Kathleen McGinnis et al. Institute for Peace and Justice (2913 Locust Street, St. Louis MO 63103), 1981. 4-vol. set, $28; individual volume costs shown below. **Gr. 5–12.**

This comprehensive guide should prove invaluable to teachers who wish to prepare their students for a world fraught with nuclear dangers. Each volume contains a set of teaching units with ample directions for teaching the material. Units include short student readings and/or work sheets, case studies and simulations. Vol. I ("National Dimensions," $9) focuses on various types of institutional violence and on nonviolent alternatives. Units on poverty, older and disabled people, sexism and racism could be used with children as young as 4th grade level. Vol. II ("Global Dimensions," $9) examines the political, military and economic dimensions of global injustice and suggests alternatives. Units on global poverty, hunger, interdependence and the meaning of peace and justice could be adapted for 4th graders. Vol. III ("Religious

Dimensions," $9) includes units on the biblical meaning of peace and justice, the Gospel and patriotism, military service, and students as agents of social change. Vol. IV ("Teacher Background Readings," $5) reprints important articles on subjects such as welfare reform, prisons, Russia, disarmament action, and multinational corporations and global development.

THE FRIENDLY CLASSROOM FOR A SMALL PLANET. Priscilla Prutzman et al. Children's Creative Response to Conflict Program (Box 271, Nyack NY 10960), 1978. $6.95. **Gr. K–6.**

This book is a classic in its field. Its methods for building good self-image and caring for others have proven themselves even in violence-prone, inner-city classrooms. Excellent bibliography.

GLOBAL EDUCATION RESOURCE GUIDE. Ed., Graff. Global Education Associates (552 Park Avenue, East Orange NJ 07017). $4. **Gr. 1–12.**

This resource guide to "global education" lists many excellent publications for background reading and/or classroom use. Areas covered included other cultures and their concerns, ecological balance, economic justice, energy, hunger, peace, population, religion and spirituality, and human rights.

HOW TO ORGANIZE A PEACE ESSAY CONTEST IN YOUR COMMUNITY. Sandra Marie Fluck (746 N. Pine St., Lancaster PA 17603), 1982. $.50 plus a stamped (.40) self-addressed long envelope.

This 5-page guide takes you step by step through the process from the initial planning stage, through publicity, selecting judges, fundraising, and even the Prize Ceremony and follow-up.

IRENE. Zarambouka, Sofia. Tee Loftin Publishers, Washington DC (Order from Educators for Social Responsibility, 639 Massachusetts Avenue, Cambridge MA 02139.) **Gr. K–3.**

A beautifully illustrated fable about peace. Includes a play for young children to per-

form with directions for making scenery and costumes, plus tunes, and lyrics.

LEARNING PEACE. Grace Abrams and Fran Schmidt. Jane Addams Peace Association (1213 Race Street, Philadelphia PA 19107), 1972. $1. **Gr. 7–12.**

In response to problems posed by the teacher, students are encouraged to research, discuss, role-play, weigh and question traditional opinions, attitudes and prejudices about the causes and results of nationalism and warfare. Primarily for social studies teachers.

LET PEACE BEGIN WITH ME. Mary Lou Konacki, OSB. Pax Christi (Pax Center, 345 East 9th Street, Erie PA 16503), 1980. Teacher's manual, $1. Student edition, $.75. **Gr. 5–8.**

Six lessons that take a positive and energizing approach to peace, the horror of war, the effects of nuclear warfare and what it means to be a peacemaker. Wise choices of poems and other writing will encourage reflection by children. Public school teachers may wish to note that the teaching material, which is excellent and has universal application, is based in religious conscience and contains a few religious references.

A MANUAL ON NONVIOLENCE AND CHILDREN. Ed., Judson. Friends Peace Committee (1515 Cherry Street, Philadelphia PA 19102), 1977. $5. **Gr. 1–6.**

Authors of this activity guide believe that children should have opportunities to explore and to question some of the values that have led the human family close to annihilation. Activities are suggested that help children handle feelings of aggression in a nonviolent way, build self-esteem, empathize with others' feelings and actions, and understand that all peoples have hopes and aspirations in common. Includes Marta Harrison's "For the Fun of It!"—a widely praised collection of cooperative games for children and adults.

THE MOUSE, THE MONSTER AND ME. Pat Palmer. Impact Publishers (PO Box [illegible]94, San Luis Obispo CA 93406) $3.95. Teacher's guide, $1.

Child's introduction to assertiveness, against a backdrop of basic peace education principles.

MYSELF AND OTHERS. Aquino-Mackles, King and Branson. Global Perspectives in Education (218 East 18th Street, New York NY 10003), 1979. $5. **Gr. 1–6.**

Twenty-five lessons designed to help children think about themselves in the context of an interdependent world; the focus gradually expands from self to others to the larger world. Useful practical suggestions as well as theory.

PEACE IS IN OUR HANDS. Grace Abrams and Fran Schmidt. Jane Addams Peace Association (1213 Race Street, Philadelphia PA 19107), 1974. $1. **Gr. 1–6.**

This widely recommended resource unit/teaching guide integrates information on the causes of war and its effects on the human family with activities in natural science, social studies, literature and creative writing. A lot of material to choose from, including hypothetical and real situations.

SAVE LIFE ON EARTH ART PROJECT POSTERS. Artists for Survival (144 Moody St., Waltham MA 02154). Light paper weight, $.25 each. Poster weight, $1.00 each.

Large posters (approx. 23" × 17"), white lettering on green, with the simple message "Save Life on Earth." A blank circle allows students to fill in their own visual images of what life on earth means to them, thus creating a personalized poster. Posters can be used in conjunction with two slide shows available from the same organization.

WAR PEACE FILM GUIDE. John Dowling. World Without War Publications (67 East Madison Street, Suite 1417, Chicago, IL 60603), 1980. $5.

Annotated listing of 287 films that interpret causes of war, increase awareness of its dehumanizing effects, or suggest alternative means of resolving international conflict. Supplementary reading materials are suggested for some of the films, and guidance is given on ways to prepare older children for strong films, and to follow up properly after the showing. Twenty-seven children's films, most of which do not appear on other lists, are reviewed separately.

B. Safe Energy vs. Nuclear Power

1. *Teaching Units, Curriculum Guides and Simulation Exercises.*

ACTIVITIES HANDBOOK FOR ENERGY EDUCATION. Alfred De Vito and Gerald Krockover. Goodyear, 1981. (Order from Social Studies School Service, PO Box 802, Culver City CA 90230.) $10.95. **Gr. 5–8.**

Handbook translating current knowledge on energy topics into activities and information for children. Over 140 activities—coal mining role-playing, building a solar greenhouse, reading an electric meter—are included. Numerous drawings and diagrams.

CONNECTIONS: A CURRICULUM IN APPROPRIATE TECHNOLOGY FOR 5TH & 6TH GRADES. National Center for Appropriate Technology (Box 3838, Butte MT 59701), 1980. $6.

The technologies we use to grow our food, heat our homes and transport ourselves are heavily reliant on resources that are beginning to run out. NCAT developed this ten-unit curriculum to focus students' thinking on technological changes and choices that will have to be faced by their generation. A teacher's introduction to appropriate technology concepts precedes a variety of reproducible handouts: discussion materials, suggested activities, take-home assignments, vocabulary lists, and quizzes. A full-color poster shows how the various elements of a greenhouse interact, illustrating the concepts behind appropriate technology.

"ENERGY ACTION IN THE SCHOOLS." *Save Energy*, a publication of the California Energy Extension Service (1600 9th St., Suite 330, Sacramento, CA 95814), Issue No. 7, Fall, 1982.

A first year report on activities conducted by Energy Action in Schools, a California state energy conservation program designed to reduce rising school energy costs while simultaneously developing an "energy use ethic" in students. Provides details of models and activities developed in teaching students about energy conservation. Also contains useful recommendations for how to start such a program in your school.

ENERGY AND MAN'S ENVIRONMENT. (4980 West Amelia Earhart Drive, Salt Lake City UT 84116). **Gr. K–12.**

An extensive curriculum development and teacher training program, funded originally by electric utility companies in several western states, and developed through a partnership of industry and state educator groups. The curriculum package consists of lesson plans and materials for grades K-12. Materials include wall charts, posters, story books, a newsletter *(The Energist)* for teachers, and a regular student newsletter which supplies stories on energy and suggestions for activities. The materials cover the broad spectrum of energy issues, from natural gas to energy conservation. They have been criticized for the often not so subtle bias towards centralized energy sources, a bias which the organization claims it has eliminated. For a critical perspective on the materials, see Sheila Harty's *Hucksters in the Classroom*. Materials are available through teacher workshops conducted by EME representatives, primarily in the West and New

England.

THE ENERGY CHALLENGE. U.S. Department of Energy (Technical Information Center, PO Box 62, Oak Ridge TN 37830). Free. **Gr. 5–8.**

Teacher's guide and 24 spirit duplicating masters for activities including outside-the-class interviews, role-playing, small group brainstorming and problem solving. Program draws on tools of science, math, language arts and social studies. Excellent review of energy resource development and of supply and demand problems, but minimizes costs and risks associated with nuclear power.

GET YOUR HANDS ON ENERGY: A TEACHING GUIDE ABOUT RENEWABLE ENERGY AND CONSERVATION. Taylor, Shaughnessy and Leenhouts. (Order from EARS, Box 8, Farisita CO 81037.) $5.

Interesting and imaginative teaching guide for elementary and secondary students. Group games and body motions let young children "feel" energy. Older students can make model windmills, waterwheels or solar hot dog cookers from common materials. Delightfully illustrated.

LESS POWER TO THE PEOPLE: ENVIRONMENTAL ENERGY USE. Environmental Action Coalition (417 Lafayette St., New York NY 10003). $3.50. **Gr. 3–7.**

A booklet of lesson plans on energy conservation. Activities can easily be expanded on, especially through use of Eco-News editions on conservation. Booklet contains lesson plans, bibliography, teacher guide.

PROJECT FOR AN ENERGY ENRICHED CURRICULUM. National Science Teachers Association, for the U.S. Department of Energy. (Order from: Technical Information Service, P.O. Box 62, Oak Ridge TN 37830). Free.

The following teaching units, developed by the NSTA with funds from the U.S. Department of Energy, were written by social studies and science teachers and designed for infusion into the existing school curriculum. The materials are very well done, and attempts to achieve a "balanced" perspective are, for the most part, successful. Teachers should be aware that the packets were developed under the auspices of the D.O.E. during the Carter administration, when solar energy enjoyed relatively high support, though millions of dollars less than the support given to nuclear power at the same time. Under President Reagan, many of the packets were embargoed, primarily those dealing with the potential of solar energy and conservation. Moreover, 24 units already developed and tested by NSTA may never become available, since the Reagan administration has cut off funds for the project. The following are currently available from the Technical Information Service (See above):

NETWORKS: HOW ENERGY LINKS PEOPLE, GOODS AND SERVICES, 1978, 92 pp. **Gr. 4, 5.** (See above.)

Six interdisciplinary lessons that investigate energy networks, such as electrical circuits, sources, conversions and end use consumption. Teacher manual/student handouts included.

HOW WE MAKE ENERGY WORK, 1978, 77 pp. **Gr. 4–6.** (See above.)

Four science units (10 lessons) which discuss scientific aspects of fossil, solar, nuclear energy and conservation.

THE ENERGY DOME, 1980, 106 pp. **Gr. 4–6.** (See above.)

Using the example of the modern domed stadium, this unit for social studies classes informs students of the place of traditional fuels in the U.S. and leads them to conservation and alternative energy sources.

THE ENERGY FUTURE TODAY, 1980, 86 pp. **Gr. 7–9.** (See above.)

Four social studies units aim at a greater understanding of the complex decisions to be made regarding energy options.

GEOTHERMAL ENERGY—TEACHER's GUIDE, STUDENT WORKSHEETS, 1980, 16 pp. **Gr. 7–9.** (See above.)

Five student activities investigating geothermal energy concepts.

ENERGY, ENGINES AND THE INDUSTRIAL REVOLUTION, 1977, 82 pp., **Gr. 8, 9.** (See above.)

This unit examines the relationship of industrial growth and energy use.

MATHEMATICS IN ENERGY, 1978, 113 pp. **Gr. 8, 9.** (See above.)

Teacher manual and student worksheets on fractions, decimals, conversions, statistics, and manipulation of energy units such as watts, calories and joules.

AWARD WINNING ENERGY EDUCATION ACTIVITIES FOR ELEMENTARY AND HIGH SCHOOL TEACHERS, 1977, 38 pp. (See above.)

Contains a number of lessons to be incorporated into the **K–12** curriculum.

SAVING ENERGY. Abt Associates, 1977. (Order from Social Studies School Service PO Box 802, Culver City CA 90230-0802.) $19.50. **Gr. 3–7.**

Board game designed to teach about the politics and economics of energy conservation. Math, language and social studies

skills are fostered as students answer questions, compute energy efficiencies and do the exercises on reproducible activity sheets. Kit contains poster, board and other game materials, and a teacher's guide.

SCIENCE ACTIVITIES IN ENERGY. Staff of American Museum of Science and Energy, U.S. Department of Energy (Technical Information Center, PO Box 62, Oak Ridge TN 37830), 1979. Free. **Gr. 4–6.**

These four activity packets—Wind Energy, Biomass Energy, Electrical Energy and Chemical Energy—contain high caliber, reproducible materials. (Unfortunately, the Department of Energy no longer distributes its equally high-caliber packets on Solar Energy and Energy Conservation.) In each kit, a series of questions guides children into and through simple but revealing experiments. Excellent graphics.

2. *Pupil texts, Plays, Periodicals and Coloring Books.*

ADVENTURES IN ENERGY. New River Energy Center (PO Box 1341, Beckley WV 25801), 1979. $3. **Gr. K–3.**

Coloring book with strong, appealing graphics. Solozar, a kindly old wizard, shows children different ways the sun's energy can help make up for shrinking non-renewable resources. Direct solar energy, wood, winds, water power, geothermal energy and recycling are featured.

THE CASE AGAINST NUCLEAR ENERGY. Special cartoon issue of THE INTERNATIONALIST (113 Atlantic Ave., Brooklyn NY 11201), August, 1981. $1.75. Bulk rates available. **Gr. 8–12.**

Tells in comic-book style the story of nuclear power and the links with nuclear weapons. Despite a few out-of-date facts, this would be good and easy reading for young people. One of the few publications that takes up the issues of civil liberties in a nuclear world.

ECO-NEWS. Environmental Action Coalition (417 Lafayette Street, New York NY 10003). $.25/issue; quantity discounts. **Gr. 5–9.**

Student periodical in a highly readable format. Ecology topics covered include subjects like hazardous and toxic wastes. Teacher's Guide may be ordered.

EASY ENERGY READERS. Information Planning Associates, for the U.S. Department of Energy (Technical Information Center, P.O. Box 62, Oak Ridge TN 37830), 1980. Free while supplies last. **Gr. 6–11.**

This four-booklet series is designed for use in language arts classes. Each booklet consists of articles which discuss a wide range of energy issues and subjects. Articles are measured for reading level. The titles of the series are: I What is Energy? (71 pp.), II History of Energy (57 pp.), III. Energy: What Can We Do Right Now? (51 pp.), and IV Energy: What about the Future? (45 pp.) Teachers should make note of the not-unbiased source of these readers.

THE ENERGY ADVENTURES OF ERNIE AND BUD. Loren Schulze. AERO (435 Stapleton Building, Billings MT 59101). $.60 **Gr. 3–7.**

Color-and cut comic book in which Ernie the eagle and Bud the earthworm decide to build a wind generator.

THE GHOST OF SAN ONOFRE. Billeddy & Mitsi Nelson-Hall. Community Energy Action Network (Box 33686, San Diego CA 92103). $1.25.

Coloring book depicting different aspects and problems of nuclear power generation.

A LOOK INSIDE NUCLEAR ENERGY. Raintree Publishers, 1982. $10.69. **Gr. 5–10.**

This first reader in a series that will eventually include volumes on solar energy, energy from fossil fuels, and wind and water energy, describes both nuclear power and nuclear weapons in admirably clear terms. Unfortunately, the text generally glosses over the monumental problems and safety concerns that nuclear energy embodies. And the nearly 100,000 deaths caused by the Hiroshima bomb are referred to with an absolutely chilling lack of emotion.

SOLAR ENERGY EDUCATION PACKET FOR ELEMENTARY AND SECONDARY STUDENTS. Beth Wagner. Center for Renewable Resources (Publications Department, 641 South Pickett Street, Alexandria VA 22304), 1979. $4.25.

This packet of reading lessons contains plans for solar activities and background materials about energy from sun, wind, water and biomass. Over 25 simple student projects demonstrate solar energy at work.

SOLAR ENERGY FOR TOMORROW'S WORLD. Reed Millard and the Editors of Science Book Associates. Julian Messner, (Simon and Schuster Building, 1230 Avenue of the Americas, New York NY 10020), 1980. 188pp. $8.29.**Gr. 6–12.**

Possibilities of solar power, ways solar energy can be stored, used and transported. Author stresses the viability – not just for the distant future, but for now.

SUN FUN. Caroline Arnold. Franklin Watts, 1981. Price: inquire. **Gr. 1–3.**

Presents 10 projects that use energy from the sun for telling time, cooking, making pictures and so on.

SUN FUN COLORING BOOK. Loren Schulze. AERO (435 Stapleton Building, Billings MT 59101). $1.35.

Ernie the eagle and Bud the earthworm explain a little about wind, sun, methane and wood energy sources. A story with puzzles.

TILLY'S CATCH-A-SUNBEAM COLORING BOOK. Tilly Spetgang and Malcolm Wells. Solar Service Corporation, 1975. (Order from EARS, Box 8, Farisita CO 81037.) $1.50. **Gr. 1–3.**

Delightful and highly educational treatment of solar heating. Lesson plan for teachers included.

WHAT KIND OF PLANT IS THIS? Women Concerned About Nuclear Power Plants (4108 Meadow Hill Lane, Fairfax VA 22030), 1979. $.50.**Gr. 1–3.**

Coloring book featuring three children and their questions about uranium mining, milling and the dangers of radiation.

3. *Teacher Resource Materials and Film Catalogues.*

ENERGY ACTIVITIES FOR THE CLASSROOM. Herbert Coon and Michelle Alexander. (Order from: ERIC Clearinghouse for Science, Mathematics and Environmental Education, Information Resource Center, Ohio State University, 1200 Chambers Road, 3rd Floor, Columbus OH 43212). Volume I: $4.95, Volume II: $3.00. A Sourcebook for teachers of **grades K–12.**

Classified by age level, subject and energy concept involved. Subject areas include social studies, science, math, language arts and fine arts. Order by Stock #: Vol. I: 016E, Vol. II: 043E.

ENERGY EDUCATION PROGRAMS: ELEMENTARY SCHOOL PROGRAMS AND RESOURCES. Herbert L. Coon and J.F. Disinger. (ERIC Clearinghouse for Science, Mathematics and Environmental Education; (see address above). $1.50, Stock #044E.

Fourteen energy education programs in **elementary** schools are described. Includes an annotated bibliography of energy materials.

ENERGY EDUCATION: A HANDBOOK FOR EDUCATORS. Ed., King. Issue #98 of *Intercom*, a magazine for educators. Global Perspectives in Education (218 East 18th Street, New York NY 10003), 1980. $2.50.

Articles on teaching energy awareness and responsibility to students in **Gr. K–12.**

A decision-making simulation on energy sources and a map skills activity are included.

ENERGY AND EDUCATION: TEACHING ALTERNATIVES. Ed., Posthuma. National Education Association (Academic Building, West Haven CT 06516), 1978. $7.95. **Gr. 5–8.**

Essays on approaches to teaching about energy, with suggestions on resource materials. Two energy mini-units include lesson plans and role-playing models. Statistical information is out-of-date.

HANDBOOKS OF ENERGY LESSON PLANS (HELP), VOL. 1. Solar-Ed Corporation (Woodbridge CT 06525), 1981. $3. **Gr. K–6.**

Lesson plans and instructions to build simple solar energy apparatus from available materials.

NUCLEAR AMERICA MAP. War Resisters League (339 Lafayette St., New York NY 10012). $1.00.

A color wall map indicating all the nuclear weapons and power facilities in the U.S. The reverse side of the map lists each facility by state.

SOLAR ENERGY AUDIO-VISUAL MATERIALS. Conservation and Renewable Energy Inquiry and Referral Service. (P.O. Box 8900, Silver Spring MD 20907), 1980. FREE.

Good catalogue of films, slideshows, etc. on solar power.

TEACHING ABOUT ENERGY AWARENESS: 33 ACTIVITIES. Ed., Dille. Center for Teaching International Relations, 1978. (Order from Social Studies School Service, PO Box 802, Culver City CA 90230-0802.) $12.95. **Gr. 5–12**

Useful collection of lessons and activities that teach critical thinking skills and use energy awareness as the data base. Topics covered include alternative energy sources, energy conservation and life styles and energy. Activity format includes an introduction, objectives, grade level, time, materials, procedures and followup.

III. Books for Children to Read on Their Own—*An Annotated List*

A. Fiction

1. *Grades K–3.*

THE ALPHABET TREE. Leo Lionni. Pantheon, 1968. $3.95.

A caterpillar in the leaves of a tree unites a disorganized alphabet into the book's message: "Peace on earth and good will toward all men." Ultimately the caterpillar carries this message to the President.

BANG BANG YOU'RE DEAD. Louise Fitzhugh and Sandra Scoppettone. Harper and Row, 1969. $3.95.

Four friends used to playing war on a hill find their territory challenged by four bigger kids. An angry, bloody battle results. Recognizing that actual combat is no fun and no one won, the children decide to share the hill and play together. Because of the vivid dialogue and artwork, this book is perhaps best read with children.

THE DUCK IN THE GUN. Joy Cowley. Illus., Edward Sorel. Doubleday, 1969. $2.95.

A general's war is stymied by a duck who has built a nest in the mouth of his only cannon. Through a series of events, the characters find a solution that is as right as it is unexpected—namely, why fight at all?

THE INCHWORM WAR AND THE BUTTERFLY PEACE. Brock Brower. Illus., Arnold Roth. Doubleday, 1970. $4.50.

An army of inchworms seeks to avenge a wrong by chewing a hole in the center of town. But they are ashamed when they are through and decide to make a brilliant repair.

LET'S BE ENEMIES. Janice May Udry. Illus., Maurice Sendak. Scholastic Books. $.75.

Two boys' friendship is disrupted because one resents that the other always wants to be the boss. Eventually, their differences are resolved, and they are shown happily and wordlessly sharing a pretzel on the last page. Read aloud, this book can get children talking about what makes them angry and what they can do to make things better.

THE MONKEY AND THE WILD, WILD WIND. Ryerson Johnson. Illus., Lois Lingell. Abelard, 1963. $2.75.

A friendly monkey teaches a diverse group of animals that by overcoming mutual distrust they can combine a task none of them could do alone.

ONCE UPON A MOUNTAIN. Don Bolognese. Lippincott, 1964. $2.95.

A shepherd calls for help and hears laughter. Convinced his town is being ridiculed by the mountain village opposite, he prepares for war only to discover that the "hee-ha-haw" had come from a donkey.

ONE SAD DAY. Bernice Kohn. Illus., Barbara Kohn Isaac. Okpaku, 1972. $4.25.

Two lands become involved in war because one group of people thinks the other would be happier living like them. The story and drawings show how war destroys everything that is happy and beautiful.

THE PEACE BOOK. Bernard Benson. Trans., Jonathan Cape. Bantam Books, 1982. $8.95.

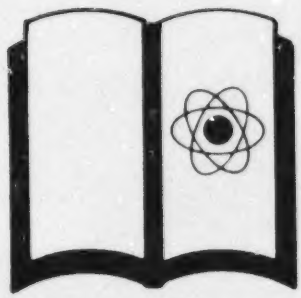
A small boy brings his protest against war to three fierce, feared world leaders. The heads of the United States, the U.S.S.R. and China listen to his plea from the children of the world, and find themselves deeply touched. This charmingly illustrated fable is one of a very few books that can involve really small children in a direct discussion of nuclear war. However, the narrative sometimes bogs down in the complexities of the arms race. An adult and a small child might enjoy reading the book together, with each getting from it what he or she can. One negative point to add: Like most books of this nature, the solution to the complexities is rather unrealistic. Real conflicts of interest existing between the have and the have-not nations are totally ignored.

POTATOES POTATOES. Anita Lobel. Harper and Row, 1967. $7.89.

Two boys grow up with their mother on a small potato farm located between two hostile countries. Eventually, impressed with the soldiers' uniforms and swords, they run away, one to the army of the west and the other to the army of the east. When war develops, the brothers bring their hungry troops to their mother's farm for food. In the ensuing clash, the mother at first appears to have been killed, and at first appears to have been killed, and the brothers decide not to fight any more. This is a useful book to stimulate discussion on fear, the hardships of war, and what it means to be enemies.

THE QUARRELING BOOK. Charlotte Zolotow. N.Y.: Harper & Row, Publishers, Inc., 1963.

A story about people taking out frustrations on each other by picking on the next smaller person.



SADAKO AND THE THOUSAND PAPER CRANES. Eleanor Coerr. Dell Yearling Books, 1977. $1.25.

Based on a true story, the book begins with Sadako at age 11, leading the happy life of a typical Japanese school girl—training for sports events, visiting her best friend, going home to a warm, close family. The shadow of the atom bomb dropped at Hiroshima gradually darkens the story. Sadako is found to have leukemia resulting from radiation exposure nine years previously. In the hospital she begins to fold 1,000 paper cranes so "the gods will grant her wish and make her healthy again." When she dies from her illness, her classmates finish the cranes. This beautifully told little tale makes a very moving plea for a peaceful world, and deals effectively with the concept of death.

THE STORY OF FERDINAND. Monro Leaf. Illus., Robert Lawson. Viking, 1938.

Classic story of the bull who hated fighting in the bullring.

THE STRANGER. Kjell Ringi. Random House, 1968. $5.39.

A picture book about the reactions of a village to a stranger who is so tall his face can't be seen. The villagers attempt to communicate with the silent stranger in increasingly aggressive ways. Finally a cannon is fired. The giant cries and his tears float the villagers up to the level of his face. The giant and villagers then become friends. The story can be a basis for discussing differences between people, stereotypes, fear, aggression, war and communication.

SWIMMY. Leo Lionni. Random House, 1963. $4.95.

The small red fish are afraid to go anywhere because the big fish will eat them. Swimmy organizes them to swim together looking like one big fish.

THE TEARS OF THE DRAGON. Hirusuke Hamanda. Parents Magazine Press, 1967. $4.95.

One boy does not believe the village rumor that the dragon who lives on the

mountain is evil. He decides to invite the dragon to his birthday party. The outcome points out the role of misinformation and prejudice in creating walls.

THE TOMATO PATCH. William Wondriska. Holt, 1964. $3.50.

Two warlike kingdoms become peaceful by means of a young girl's tomato patch. The illustrations suggest the gloom of weaponry and the joy of natural growth.

TOPS. William Wiesner. Viking, 1969. $4.50.

Two gentle giants make friends, and their example brings peace to two evenly matched countries at war.

TOWER OF BABEL. William Wiesner. Viking, 1968. $3.95.

This retelling of the biblical legend shows the chaos that occurs with lack of communication and unwillingness to learn to understand one another.

TWO GIANTS. Michael Foreman. Pantheon, 1967. $3.95.

After falling out over the ownership of a seashell, the giants gradually discover how ridiculous it is for the equally powerful to fight each other.

WACKY AND HIS FUDDLEJIG. Stanford Summers. Arts in Context (484 West 43rd Street, New York NY 10036), 1968.

Wacky is a square peg unable to fit into a round table hole at Santa's Toy Factory. He just can't bring himself to make war toys, and gets fired by the grumpy head of the military toy department. However, when Santa leaves on his annual Christmas deliveries, he agrees to take along just one "fuddlejig," a brand new toy that Wacky has made. Soon all of Santa's wish lists contain requests for the new toy, and we are left to presume that from now on Santa's workshops will be turning out fuddlejigs instead of war toys. Though thin, this story will have appeal to very young children.

THE WAR PARTY. William O. Steele. Illus., Lorinda Bryan Cauley. Harcourt Brace Jovanovich, 1978. $4.95.

Participating in his ancestral ritual of war preparation, a young Indian looks forward to his first battle. When he actually participates in an attack on a neighboring village, he is horrified by the brutality that surrounds him. For **third graders and up.**

2. *Grades 4–6.*

ACROSS FIVE APRILS. Irene Hunt. Follett, 1964. $3.95.

Spanning the five Aprils of 1861–1865, this story explores through the character of Jethro (10 years old when the Civil War began) the initial fascination and eventual disillusion that war holds for boys.

ALAN AND NAOMI. Myron Levoy. Harper & Row, 1977. $7.95.

A powerful portrait of two children: Naomi, who has been traumatized by having witnessed Nazi brutality to her father in France during the war; and Alan, a believable character who is caught in the dilemma of having to choose between playing stickball with his friends or acceding to parental pressures to befriend Naomi.

THE BLACKMAIL MACHINE. Felice Holman. Illus., Victoria de Larrea. Macmillan, 1968. $4.50.

Five children and a bird-loving spinster use their tree house to bargain for community action and, ultimately, world peace.

BLACK SHEEP. Jean Merrill. Illus., Ronni Solbert. Pantheon, 1969. $3.95.

An amusing animal fable about a herd of sheep who find out the hard way that the herd is enriched by the presence of nonconformity and dissent.

CONRAD'S WAR. Andrew Davies. Crown, 1980. $7.95.

Conrad becomes convinced through dreams or a time warp that he is actually experiencing action in a past war. However, when Conrad himself becomes the enemy, his marvelous war adventure turns into a nightmare.

THE GAME ON THATCHER ISLAND. T. Degens. Viking, 1977. $7.95.

Harry is flattered when a group of older boys invite him to participate in their game of war on Thatcher Island. His elation disappears when the game takes a terrifying turn.

HENRY THREE. Joseph Krumgold. Illus., Alvin Smith. Atheneum, 1967. $4.75.

Two young boys keep their heads while all about them are losing theirs in a suburban panic to build air raid shelters at the threat of war.

HOW THE CHILDREN STOPPED THE WARS. Jan Wahl. Illus., Mitchel Miller. Farrar, 1969. $3.75. Avon, $1.50, paper.

Chronicle of a shepherd boy who leads hundreds of children to the battlefield, where they persuade the soldiers they are needed at home. A story of exceptional imaginative power.

IN THE SKY OVER NAGASAKI: AN A-BOMB READER FOR CHILDREN. Nagasaki Prefecture Hibakusha Teachers Association (Order from Wilmington College Peace Resource Center, Box 1183, Wilmington OH 45177). $3.50 (+ .60.)

The 1945 bombing of Nagasaki is described from the point of view of a big camphor tree that survived. This sensitive account of what happened to the children will profit from a teacher's interpretation.

MAGIC NUMBER. Harold Goodwin. Bradbury, 1969. $3.95.

A misguided scientist attempts to force peaceful coexistence on the wild creatures inhabiting his garden, and, although the animals do eventually arrive at peace, their clever arrangements are reached despite, rather then because of, the dictatorially bumbling professor.

THE MUKHTAR'S CHILDREN. Sally Watson. Holt, 1968. $4.50.

The mukhtar, leader of an Arab village, has four children whose involvement with an Israeli kubbutz brings two cultures to a beginning of mutual acceptance.

ON THE OTHER SIDE OF THE RIVER. Joanne Oppendheim. Illus., Aliki. Franklin Watts, 1972. $4.95.

Villagers on the two sides of the river at first try to get along without a bridge, but soon realize they need each other. This is a pleasant, moral tale on the theme of shared needs and talents.

SEARCH FOR DELICIOUS. Natalie Babbitt. Farrar, 1969. $3.95.

An amusing satiric fantasy centering on the way rumors and viciously manipulated information can lead to violence and war.

TRANSPORT 7-41-R. T. Degens. Viking, 1974. $7.95. Dell, $1.50, paper.

A young girl travels from the Russian sector of defeated Germany to Cologne on a transport returning refugees in 1946. On one level this story is one of sheer adventure; on another, it is a powerful statement of the devastation war and misguided patriotism can impose on the human spirit. Most of all, it is a story of how one young girl survives.

WAR ON THE LOT: A TALE OF FANTASY & TERROR. Sterling E. Lanier. Illus., Robert Baumgartner. Follett, 1969. $3.95.

Woodland animals under the threat of invasion by marauding rats are temporarily able to submerge their own differences and work together. Patterned on human strategies of war, the story subtly emphasizes the need for constant vigilance in maintaining good relations.

WHITE ARCHER: AN ESKIMO LEGEND. James A. Houston. Harcourt, 1970. $3.50.

Vigorous drawings enhance this tale of an Eskimo boy, bent on revenging his parents, who learns the futility of "an eye for an eye, a tooth for a tooth."

3. *Grades 7–8.*

DARKNESS OVER THE LAND. Martha B. Stiles. Dial, 1966. $3.95.

Through the skillful delineation of family and public life in Hitler's Germany, this novel examines the citizen's share in an aggressor nation's collective guilt.

THE DEVIL IN VIENNA. Doris Orgel. Dial, 1978. $7.95. Dell, $1.50, paper.

The setting is 1938 Vienna. Inge, who is Jewish, and Lieselotte, who at the insistence of her father is in the Hitler Youth, find their long-term friendship has become unwise and even dangerous. A story of individual acts of bravery and love in a world characterized by mass indifference and betrayal.

THE GREAT QUILLOW. James Thurber. Illus., Doris Lee. Harcourt, 1944. $4.95.

Quillow is a toymaker, the shortest man in town. He leads his fellow citizens in an ingenious scheme that outwits the giant, Hunder, not by force but by intelligence, courage and wit. This is Thurber at his best.

IVANOV SEVEN. Elizabeth Janeway. Harper and Row, 1967. $4.95.

A thought-provoking novel of a young boy who refuses a military order. The setting is Russia at the time of the Czars.

JOURNEY HOME. Yoshiko Uchida. Atheneum, 1978. $7.95.

A Japanese-American girl and her family attempt to reconstruct their lives after release from wartime detention. The strong anti-Japanese feelings surrounding them foster fear, distrust and violence. The sequel to *Journey to Topaz*. (below)

JOURNEY TO TOPAZ. Yoshiko Uchida. Scribner, 1971. $7.95.

After Pearl Harbor is attacked, a Japanese-American girl and her family are forced into a detention camp in Utah. The suffering and humiliation imposed upon the Japanese during this time is evident in this warm story of dignity and courage.

LONELY WAR OF WILLIAM PINTO. Diana Green. Atlantic Monthly Press, 1968. $4.75.

Based on historic characters, this well written novel explores the crisis of conscience for one boy, a lonesome pacifist among war-happy brothers, during the American Revolution.

THOU SHALT NOT KILL. Antoine Reboul. Trans., Stephanie Craig. Phillips, 1969. $4.95.

The 1967 Arab-Israeli War throws together an Egyptian boy and an Israeli girl who have become separated from their troops. Blind, irrational distrust is conquered and, in the end, they dedicate themselves to the struggle against hatred and war.

TIGER EYES. Judy Blume. Bradbury Press, 1981. $9.95.

A 15-year-old girl whose father has been shot and killed in a store robbery goes with her mother and younger brother to live with relatives in Los Alamos. Against the backdrop of her uncle's work on nuclear arms and her father's death by violence, the girl's values are sharpened and clarified.

WALK A MILE AND GET NOWHERE. Ivan Southall. Bradbury, 1970. $4.50.

An engrossing and disturbing book because it deals with personal and national feelings of aggression, insecurity and fear. The setting is Australia, on Anzac Day, one of the main patriotic holidays.

WHEN SIRENS SCREAM. Robert E. Rubinstein. Dodd, Mead, 1981. $7.95.

A teenage boy whose father is a state representative finds himself caught up in the problems caused by living near a nuclear power plant.

B. Non-Fiction

1. *Grades K–3.*

HELLO SUN. Nancy Gibson. Safe Energy Resources (179 Orchard Road, Belchertown MA 01007), 1980. $2.50.

A book about solar energy, with a forceful warning about energy waste, pollution and human greed. Best for reading aloud.

HOW TO TURN WAR INTO PEACE: A CHILD'S GUIDE TO CONFLICT RESOLUTION. Louise Armstrong. Harcourt Brace, 1979. $4.95; $1.95, paper.

Because this "Let Me Read Book" uses seashore playmates and their tiffs over sandcastles to explain big, complex concepts like retaliation and deterrence, it is best read together with children.

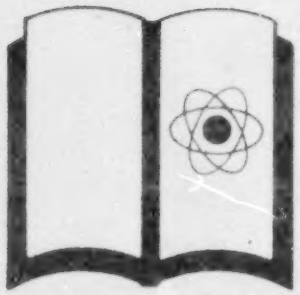
LET'S CRY FOR PEACE. Hiroshima A-Bombed Teachers Association. (Order from Peace Resource Center, Box 1183, Wilmington College, Wilmington OH 45177.) $.50.

Very beautiful and moving poems and songs appealing for peace.

A PEACEABLE KINGDOM: THE SHAKER ABECEDARIUS. Illus., Alice and Martin Provensen. Viking, 1978. $8.95.

Alphabet verses with clear, quietly detailed illustrations. Nearly every page also bears a small sample of Shaker thought, such as "A man of kindness to his beasts is kind/Brutal actions show a brutal mind."

THE PIG WAR. Betty Baker. Illus., Robert Lopshire. Harper, 1969. $2.50.



An "I Can Read History" of the 1859 incident between the United States and British Canada that began with an intrusive pig and nearly escalated to a full-scale war.

2. *Grades 4–6.*

THE FIRST BOOK OF ETHICS. Algernon B. Black. Illus., Rick Schreiter. Watts, 1965. $3.75.

Encourages children to think about what they might do as they grow older about three ethical challenges: to end killing in wars; to guarantee freedom, equality and democracy for all people; and to rid the world of poverty.

FIRST WOMAN IN CONGRESS: JEANETTE RANKIN. Florence Melman White. Jane Addams Peace Association (1213 Race Street, Philadelphia PA 19107), $7.79.

Winner of the 1981 Jane Addams Award for a book combining literary merit with themes of world community and social justice. Jeanette Rankin, a leader in the movement for American women's suffrage, was the first woman elected to the House of Representatives. She voted against entry of the U.S. into both World Wars, and remained interested in peace until her death in 1973 at 92.

LIVING BENEATH THE ATOMIC CLOUD: TESTIMONY OF THE CHILDREN OF NAGASAKI. Ed., Nagai. Tokyo San-Yu-Sha. (Order from Peace Resource Center, Box 1183, Wilmington College, Wilmington OH 45177). $3.25.

Vivid and moving descriptions of their experiences by children who were from 5 to 12 years old in August 1945 when the bomb hit.

MARTIN LUTHER KING, JR.: MAN OF PEACE. Lillie Patterson, Illus., Victor Mays. Garrard, 1969. PLB $2.49.

A biography geared to the vocabularies of middle grade readers which also outlines the principles of non-violent civil disobedience.

NEVER TRUST A COWBIRD. George

Laycock. Norton, 1966. $3.95.

Profiles of 18 familiar wild animals illustrate the ways in which so-called natural enemies accommodate themselves to each other and share their diminishing wild territory.

PEACE IS AN ADVENTURE. Emery Kelen. Meredith, 1967. $3.50.

The work of the many agencies of the United Nations is made vivid through accounts of their employees around the world. Thousands of people are involved in UN efforts to combat ignorance, poverty and disease—so often the causes of war.

3. *Grades 7–8.*

DAG HAMMARSKJOLD. Emery Kelen. Meredith, 1969. $3.95.

Biography of the Swedish statesman who, in his years as Secretary General of the United Nations, displayed extraordinary skill and dedication in grappling with complex international conflicts.

IN SEARCH OF PEACE: WINNERS OF THE NOBEL PEACE PRIZE, 1901–1975. Edith Patterson Meyer. Illus., Billie Jean Osborne, Abingdon, 1978, $7.95.

The stories of individuals and organizations whose efforts to keep humanity cooperating and at peace have won them the prestigious Nobel Peace Prize.

NISEI DAUGHTER. Monica Itoi Sone. Seattle: University of Washington Press, 1979.

A unique and moving autobiographical account of a Japanese-American family's "relocation" during World War II.

RETURN TO HIROSHIMA. Betty Jean Lifton. Photographs, Eikoh Hosoe. Atheneum, 1970. $5.95.

"Return here through the pages of this book and learn of the city—of the old, have they forgotten? Of the young, do they remember? Of the wounded, have they been healed?" Strong photographs with spare, moving text.

TEN FIGHTERS FOR PEACE. Ed., Lawson. Lothrop, 1971. $4.95.

These accounts show that dissent against war is not confined to present times or to the young.

YOUTH AND WAR: WORLD WAR ONE TO VIETNAM. Ed., Lawson. Lothrop, 1969. $4.50.

Personal accounts of eleven young soldiers' reactions to battle after the first surge of patriotic motivation.

IV. Peace Groups and Safe Energy Organizations—*An Annotated List*

E = Energy
W = Nuclear Weapons + Peace
** = Of particular interest to teachers*

THE AMERICAN FRIENDS SERVICE COMMITTEE (E & W)*
1501 Cherry Street
Philadelphia, PA 19102
215-241-7177

A Quaker organization supporting disarmament/peace efforts through their regional offices and NARMIC (National Action Research on the Military Industrial Complex). One of the founders of the nuclear weapons freeze campaign, AFSC carries on a variety of education and social change programs. A variety of peace education resources including fact sheets, booklets, and slide shows are available, including the excellent resource for teachers: *Manual on Non-Violence and Children.*

ARMS CONTROL ASSOCIATION (W)
11 Dupont Circle, NW
Washington, DC 20036

A nonpartisan, national membership organization dedicated to promoting public understanding of effective policies for arms control, security and disarmament. Has a speaker's bureau. Membership ($25/yr) includes their publication *Arms Control Today.*

CAMPAIGN AGAINST NUCLEAR WAR (W)
122 Maryland Avenue, NE
Washington, DC 20003
202-543-5556

The Campaign Against Nuclear War, a project of the Fund for Peace, is a broad-based coalition of organizations against nuclear war which sponsors films, newspaper ads, and a toll-free information number. The Campaign has published a "Nuclear War Prevention Manual" to help citizens get involved in disarmament activities. Copies can be obtained by calling their toll-free number (800) 528-6050.

CENTER FOR DEFENSE INFORMATION (W)
303 Capitol Gallery W.
600 Maryland Ave, SW
Washington, DC 20024
202-484-9490

A non-partisan research organization that provides objective analyses of U.S. military programs. The Center supports a strong defense, but opposes excesses and waste in military spending and programs that increase the danger of nuclear war. Publications are available upon request.

CENTER FOR DEVELOPMENT POLICY (E & W)
418 10th St. S.E.
Washington, DC 20003

A research organization that examines what the U.S. and the international lending institutions are doing to developing countries around the world. Publishes frequent reports on nuclear exports to third world countries.

CENTER FOR ENVIRONMENTAL EDUCATION (E)
1925 K Street, NW
Washington, DC 20006
202-466-4996

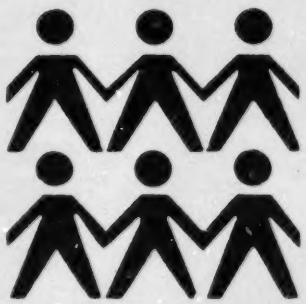
Organization to promote public awareness of environmental issues and develop comprehensive education programs. The CEE newsletter *Environmental Education Report* covers global to specific environmental topics and is an excellent resource for classroom teachers (10/year, $25.00). The *Directory of Environmental Education Resources* is a guide to national & international environmental organizations and companies, with a bibliography of career information ($3.95 plus $.90 postage and handling).

CENTER FOR RENEWABLE RESOURCES (E)
1001 Connecticut Ave, NW, Suite 510
Washington, DC 20036
202-466-6880

The educational counterpart to Solar Lobby. Send for a list of publications on alternative energy.

CHILDREN'S CAMPAIGN FOR NUCLEAR DISARMAMENT (W)*
Contact: Hannah Rabin
Box 550, R.D. #1
Plainfield, VT 05667
802-454-7119

A children's network started by 2 young Vermont sisters and their friends. Their primary activity till June, 1982 was a national letter-writing campaign. Children were asked to write letters of opposition to the nuclear arms race to President Reagan. Copies of the letters were delivered in a public presentation to the White House in October, 1981 and again in June, 1982, with thousands of children in attendance. The campaign office now serves as a support for the 50 or so chapters around the country, now involved with a range of activities for children. Write for a brochure describing the campaign ($.10 each).



CHILDREN'S CREATIVE RESPONSE TO CONFLICT (W)*
Box 271
Nyack, NY 10960
914-358-4601

Established in 1972 to apply some of the conflict-solving exercises developed with adults in the classroom. CCRC provides workshops for teachers, and also individual training opportunities. Exercises and communication activities to increase cooperation, affirmation, and conflict resolution are the core of this program. In addition to workshops, CCRC produces a newsletter, *Sharing Space,* designed to keep teachers up to date and share new techniques and experiences. ($3.00 per year).

CHILDREN'S PEACE NETWORK (W)*
1346 Connecticut Ave., NW, Suite 1126
Washington, DC 20036
202-835-0777

A clearinghouse for information and resources for children, parents and educators. Current major project involves promotion of *The Peace Book* (see SECTION II, Elementary Guide) and of a musical production based on the book. Teachers should write for information regarding a script and staging directions for performance of the musical with children.

CITIZENS AGAINST NUCLEAR WAR (W)
1201 16th St. NW
Washington, DC 20036
202-822-7483

A recently formed coalition of national membership organizations established to supplement the work of groups that were formed for the primary purpose of working for nuclear disarmament. Their goal is to activate their members on nuclear policy issues and peace. Over 30 organizations representing 18–20 million people had joined by November, 1982, including the National Education Association, the International Association of Machinists, and the United Presbyterian Church. The group supports programs call-

ing for a verifiable freeze, cancellation of all unworkable civil defense plans, and observance of previously negotiated arms agreements.

CITIZENS'S ENERGY PROJECT (E)
110 Sixth St., NW
Washington, DC 20001
202-289-4999

A network and resource center working for education in alternative energy. Publishes periodic reports on research developments in satellite power systems, solar energy, big business and appropriate technology. Bi-monthly newsletter, *Soft Solar Notes*.

COALITION FOR A NEW FOREIGN & MILITARY POLICY (W)
120 Maryland Ave. NE
Washington, DC 20002
202-546-8400

Publishes background resources and legislative updates on disarmament and other foreign policy issues. Sends Action alerts to a nationwide grassroots network on important upcoming votes in Congress. Also maintains a speakers' bureau.

CONSERVATION & RENEWABLE ENERGY INQUIRY & REFERRAL SERVICE CAREIRS) (E)
PO Box 8900
Silver Spring, MD 20907
1-800-523-2929 (Toll Free)

Under Department of Energy Contract, a non-profit clearinghouse responsible for providing information and referral services to the general public on all renewable forms of energy, including solar, wind, hydro, photovoltaics, bioconversion, and conservation. CAREIRS assumed the responsibility of the Solar Energy Research Institute for public information dissemination about renewable energy.

CONSORTIUM ON PEACE RESEARCH, EDUCATION AND DEVELOPMENT (COPRED) (W)*
Center for Peaceful Change
Kent State University
Kent, OH 44242
216-672-3143

One of COPRED's six networks, the Peace Education Network (PEN), contains 15 programs devoting major resources to developing or disseminating elementary and secondary level curriculum material on peace studies and global education. Available from COPRED is *A Repertoire of Peacemaking Skills* by Susan Carpenter which outlines how teachers can incorporate the experiences and skills of peace groups in their regular classroom work. (See Section II of guide.)

COUNCIL FOR A LIVABLE WORLD (W)
11 Beacon Street
Boston, MA 02108
617-742-9395
Legislative Office:
100 Maryland Ave, NE
Washington, DC 20002
202-543-4100

A national group with its legislative office in Washington, DC, dedicated to the prevention of nuclear war through political activity and public education. In addition to publishing books and pamphlets, the Council has formed a Speakers Bureau of physicists, chemists, physicians, arms control specialists, and political scientists. Contact their Boston office for speakers. A Nuclear Arms Control Hotline (call 24 hours a day 202-543- 0006) has been set up to provide people with the latest information on key federal legislative & executive policy developments.

CRITICAL MASS ENERGY PROJECT (E)
215 Pennsylvania Ave, SE
Washington, DC 20003
202-546-4790

A branch of Ralph Nader's Public Citizen Inc. Monitors the Nuclear Regulatory Commission, investigates the nuclear industry and works for the development of safe energy systems. *Critical Mass Energy Journal*, published monthly. ($10/yr.) Send for a list of reprints of key articles.

EDUCATORS FOR SOCIAL RESPONSIBILITY (W)*
639 Massachusetts Ave
Cambridge, MA 02139
617-492-1764

Established to educate teachers at all grade levels, parents and school administrators about the issues related to the dangers of nuclear war and the arms race. ESR has already conducted several major conferences for teachers, including A "National Day of Dialogue" where educators, parents, and students were invited to discuss the nuclear arms issue and its appropriate treatment in the classroom. The "Day of Dialogue Planning Manual" contains innovative teaching ideas, resources, and developmental considerations. Membership in ESR ($20) includes a subscription to their regularly published newsletter. Write for further information. (See Section II of guide)

ENERGY & MAN'S ENVIRONMENT (E)*
7874 SW Numbus Avenue
Beaverton, OR 97005
503-641-9043

A nonprofit education corporation partially supported by business, industry, state and local education agencies, and civic organizations. EME works with educators in developing energy education programs designed to achieve energy literacy. (See Sheila Harty *Huckster's in the Classroom* for a critique of EME's programs.)

ENERGY CONSERVATION COALITION (E)
1725 I St, NW, Suite 600
Washington, DC 20006
202-466-5045

A broad coalition of groups formed to promote energy conservation. Publishes a good bi-monthly newsletter, the *Energy Conservation Bulletin*. ($25 a year)

ENVIRONMENTAL ACTION COALITION (E)*
417 Lafayette Street
New York, NY 10003
212-677-1601

Organized in 1970 in response to Earth Day, this group focuses on problems in the urban environment. Three field-tested curricula packets are available: "Solid Waste," "Energy," & "Tree Care." The curricula include lesson plans, bibliography, teacher guide, & relevant copies of their cartoon-illustrated newsletter *Eco-News*. EAC also holds mini-courses in Environmental Education, and Teacher Workshops on Environmental Topics.

ERIC CLEARINGHOUSE FOR SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION (E)*
1200 Chambers Road
Columbus, OH 43212
614-422-6717

One of 16 information clearinghouses under the direction of the National Institute of Education. Collects documents and curricula relating to science, mathematics, and environmental education, screens them for relevance and interest, abstracts and indexes those selected, and adds them to the ERIC data base. For information on accessing, to obtain abstracts or microfiches, or to find the location of the nearest ERIC library center, contact the Clearinghouse.

FACING HISTORY AND OURSELVES NATIONAL FOUNDATION, INC. (W)*
25 Kennard Road
Brookline, MA 02146
617-734-1111, Ext. 335

Provides teacher training and curriculum materials intended to give students "access to information about events in history usually denied to them by their textbooks and teachers." The organization grew out of a social-studies project in the Brookline, MA public schools called "Facing History and Ourselves," which produced a widely

accepted curriculum entitled "Holocaust and Human Behaviour." A curriculum on nuclear war for senior high students is in the pilot stage, but draft copies are available. (See Section II of guide.)

FEDERATION OF AMERICAN SCIENTISTS (W)*
307 Massachusetts Ave, NE
Washington, DC 20002
202-546-3300

A lobbying organization of over 6000 scientists, concerned with the use of science in society—especially nuclear weapons. Their Nuclear War Education Project offers a newsletter, *Countdown*, an excellent resource for educators. (Available for a $10 donation to the Project.) Also available is a syllabus packet containing course outlines for colleges and universities which high school teachers may find useful for their own plannig. (Send $10 to cover the cost of reproduction.)

THE FELLOWSHIP OF RECONCILIATION (W)
Box 271
Nyack, NY 10960
914-358-4601

FOR joins many peace and justice groups, prominent scientists, and religious leaders in calling for a nuclear moratorium. They have local and regional disarmament programs throughout the country. FOR publishes the magazine *Fellowship* and has resources which include books, pamphlets, films, slide shows, information packets, and speakers list.

FRIENDS OF EARTH (E & W)
530 7th Street, SE
Washington, DC 20003
202-543-4312

An international environmental and safe energy organization working to educate and lobby on a broad range of topics. Works for nuclear disarmament, phase-out of nuclear power plants, waste disposal, and alternative energy issues. Publishes "Not Man Apart" monthly.

GLOBALEDUCATIONASSOCIATES(W)*
522 Park Avenue
East Orange, NJ 07017

Conducts educational and research programs, offers consulting services, speakers, and publications on the linkage between local, national and global issues, working in over 50 countries. Topics include war/peace issues, energy and the environment. Their "Global Education Resource Guide" is an important teacher reference tool. (See Section II for information.)

INSTITUTE FOR DEFENSE & DISARMAMENT STUDIES (W)*
251 Harvard St.
Brookline, MA 02146
617-734-4216

A research center established to study the nature and purposes of military forces and the obstacles to disarmament. Current projects include the biennial *American Peace Directory*, a comprehensive list of national and local groups, including research centers, college programs, and lobbying groups. Future publications include a series of educational pamphlets and textbooks aimed at high school and college classes, on arms and disarmament.

INSTITUTE FOR WORLD ORDER (W)
777 United Nations Plaza
New York, NY
212-490-0010

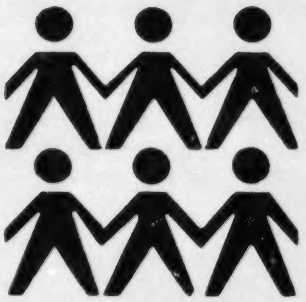
Conducts research and works with faculties and scholars on matters of international relations and ecological security. Produces written and audio-visual resources on the arms race for the public. Send for list.

INTERCOMMUNITY CENTER FOR JUSTICE AND PEACE (W)*
20 Washington Square
New York, NY 10011
212-757-7518

A Catholic organization oriented to Peace Education in Parochial Schools. Their newsletter, *Justice in the Schools*, contains suggestions for administrators and teachers and announcements of the latest peace 'events', new films, educational materials and courses for teachers on peace issues. They also work directly in the schools, providing what they call *Infusion Workshops for Teachers*. These are presented by two or more facilitators, depending on size of faculty, at a fee of $50 per day, per facilitator. Special consideration is given to schools with special financial difficulties. For more information, write to Kathleen Kanet.

INTERNATIONAL STUDENT PUGWASH (W)
305 Massachusetts Ave, NE
Washington, DC 20002
202-544-1784

A student group endorsed by the International Pugwash Movement that began in Pugwash, Nova Scotia in response to the Einstein-Russell call for scientists and citizens to recognize their moral responsibility to seek solutions to world problems. Student Pugwash sponsors conferences that give students a unique opportunity to interact with experienced, senior researchers in many controversial policy areas, including nuclear disarmament.



THE JANE ADDAMS PEACE ASSOCIATION AND THE WOMEN'S INTERNATIONAL LEAGUE FOR PEACE AND FREEDOM (W)*
1213 Race Street
Philadelphia, PA 19107
215-563-7110

Jane Addams, the first woman to win the Nobel Peace Prize, was one of the founders of the Women's International League for Peace and Freedom. The Association bearing her name carries one some of the WILPF educational programs. A Jane Addams of Children's Book Award is given each year to a book that "promotes the cause of peace, social justice and world community." For a list of past winners, send $.15 to WILPF. For a copy of WILPF's many resources for teachers, send a stamped self-addressed envelope.

JOBS WITH PEACE INITIATIVE CAMPAIGN (W)
2290 22nd Street
San Francisco, CA 94110

National network established to conduct referenda on the military budget and national priorities. Provides information and assistance to local groups interested in putting such initiatives on the ballot in their own areas. Organizing packets, $5. Campaigns are active in Boston, Detroit, Chicago, Seattle, and elsewhere.

LAND/LEAF (E)
Gertrude Dixon
3368 Oak Ave.
Stevens Park, WI 54481

A local group that is known for its research and materials on the negative health and environmental effects of radiation. Send a self-addressed, stamped envelope for a list of their current publications.

LEAGUE OF WOMEN VOTERS EDUCATION FUND (E)*
1730 M Street, NW
Washington, DC 20036
202-296-1770

A citizen education & research organization, the League provides a variety of informational materials on natural resources

& environmental effects. Send for their catalog, free.

MID AMERICA PEACE PROJECT (W)*
604 South Oakland #7
Carbondale, IL 62901
618-549-8443

A non-profit organization to promote education and discussion concerning the issues of war/peace and nuclear proliferation. Goal is to set up a midwest teachers network.

MOBILIZATION FOR SURVIVAL (E & W)
c/o Church of All Nations
48th St. Marks Place
New York, NY 10003
212-533-0008

A coalition of groups emphasizing grassroots organizing toward the goals of "zero nuclear weapons, ban nuclear power, stop the arms race, and fund human needs." Offers film guide, speakers list, and educational materials for the general public, many which could be used in a high school setting. Will send list.

NATIONAL CENTER FOR APPROPRIATE TECHNOLOGY (E)
P.O. Box 3838
Butte, MT 59702

A non-profit organization established in 1976 to research, develop and transfer small-scale technologies that solve the nation's energy problems. Teacher's would mainly be interested in their curriculum for 5th and 6th grades: *Connections*. Send for a list of their publications.

NATIONAL ASSOCIATION OF ATOMIC VETERANS (W)
1109 Franklin St.
Burlington, IA 52601
319-753-6112

A membership organization for veterans exposed to radiation from atomic testing in the western states during the 50s. Teachers can contact them for speakers. Bi-monthly newsletter included with a yearly contribution of $25 (helps support the group's activities).

NATIONAL ENERGY FOUNDATION (E)*
366 Madison Avenue
New York, NY 10017

An organization formed in 1976 to encourage secondary school teachers and students in exploring energy problems and possible avenues for their solution. Though supported primarily by the energy industry and other major corporations, NEF states a commitment to provide a means whereby important opposing points of view can be heard. The backbone of its educational programs (which include teachers workshops, Youth Wants to Know Seminars, and Career Day conferences) is the annual Student Exposition on Energy Resources. Winners of the local SEER competitions bring their working projects before a national panel of academics and scientists for judging.

NATIONAL SCIENCE TEACHERS ASSOCIATION (NSTA) (E)*
1742 Connecticut Ave, NW
Washington, DC 20009
202-328-5840

Through its Project for an Energy-Enriched Curriculum (PEEC), sponsored by the U.S. DOE, NSTA has produced a series of instruction packets for elementary and secondary schools. Primarily written by social studies and science teachers, these materials are designed for convenient infusion into existing curricula. They feature a wide range of activities that encourage direct student participation while introducing basic energy concepts. NSTA also publishes "Energy and Education," a bimonthly newsletter dedicated to the teaching of energy. ($9)

NEW CENTURY POLICIES EDUCATIONAL PROGRAMS, INC. (E & W)
PO Box 963
Boston, MA 02103

A non-profit corporation created to educate the public on technologies and their social impact, with emphasis on nuclear weapons, energy sources, and certain toxics. Their public education activities include conferences, videotapes, and a newsletter *The Front Line*, for exchange of information about civilian defense from nuclear weapons.

NUCLEAR CONTROL INSTITUTE (E & W)
1000 Connecticut Ave, NW, Suite 406
Washington, DC 20035
202-822-8444

An education and lobbying organization established in 1981. Focuses on the issues of proliferation of nuclear weapons through the export of nuclear technology, including commercial nuclear power. Quarterly newsletter.

NUCLEAR EDUCATION PROJECT (NEP) (W)*
26 Granite Street, #3
Sommerville, MA 02143

NEP is a group of five women from Boston who share their concerns about their roles as mothers and the dangers of nuclear war. Their handbook *Parenting in a Nuclear Age: A Support Book*, is not only a nuclear primer, but attempts to counter the feelings of despair which parents face in the nuclear age. While aimed at parents, the book has ideas for action that will be useful to teachers. Write for information.

NUCLEAR INFORMATION AND RESOURCE SERVICE (E)*
1346 Connecticut Ave, NW
Washington, DC 20036
202-296-7552

A non-profit clearinghouse established in 1978 for citizen organizations actively opposing nuclear power in the US. Provides information and networking services, and a toll-free activist hotline. Assists teachers in finding local anti-nuclear speakers. Bimonthly publication, *Groundswell* gives in-depth coverage of government and citizen activity around nuclear issues. "Don't Waste America" campaign provides a slide show & cassette on the nuclear waste issue. Send for free publications list.

NUCLEAR WEAPONS FREEZE CAMPAIGN (W)*
4144 Lindell Blvd., 2nd Floor
St. Louis, MO 63108
314-533-1169

A national petition campaign that calls on the U.S. and the U.S.S.R. to "adopt a mutual freeze on the testing, production, and deployment of nuclear weapons and of missiles and new aircrafts designed primarily to deliver nuclear weapons." This citizen initiated arms control proposal has been endorsed by a broad spectrum of organizations and has been voted in several states and municipalities in the form of ballot initiatives. A quarterly Freeze Newsletter reports on local Freeze activities and new resource materials available to promote the freeze campaign.

PEACE LINKS (W)
723½ 8th St. SE
Washington, DC 20003
202-544-0805

An organization started by Betty Bumpers, wife of Senator Dale Bumpers of Arkansas and joined by many other senators' spouses, who tour their states talking primarily to PTAs, civic associations and women's garden clubs. A national Peace Day, held in October, 1982, will be sponsored once again by the organization in October, 1983.

PHYSICIANS FOR SOCIAL RESPONSIBILITY
639 Massachusetts Ave.
Cambridge, MA 02139

A national organization of doctors dedicated to educating their fellow doctors and others about the medical consequences of nuclear war. Sponsors conferences frequently. Publishes a quarterly newsletter.

PROMOTING ENDURING PEACE (W)
P.O. Box 103

Woodmont, CT 06460
203-878-4769

A religious and educational organization. Send a long, self-addressed stamped envelope for a literature list and articles pertinent to the promotion of peace.

THE RIVERSIDE CHURCH DISARMAMENT PROGRAM (W)*
490 Riverside Drive
New York, NY 10027
212-749-7000

Excellent resource list entitled "Peace Teaching & Children" with classroom activities grade level assessments, cooperative games, etc. Focuses on the teaching of peaceful conflict resolution. Also offers "The Riverside Church Disarmament Reader," a book based on a 13-week college level course but also adaptable for advanced highschool students.

SAFE ENERGY COMMUNICATION COUNCIL (E)
1609 Connecticut Ave, NW, Suite 4B
Washington, DC 20009
202-483-8491

A coalition of 16 safe energy groups, formed after the TMI accident to help local citizens counter the nuclear industry's national media campaign. S.E.C.C. also addresses the problems of pro-nuclear propaganda in the schools, e.g. in 1981 SECC provided teacher organizations with information about the nuclear industry's initiative in the establishment of National Energy Education Week, plus materials to counter pro-nuclear bias for that week in the schools.

SANE (CITIZENS' ORGANIZATION FOR A SANE WORLD) (W)
711 G Street, SE
Washington, DC 20003
202-546-7100

SANE is a membership organization with chapters around the country. Established in 1957, SANE's special emphasis has been on educating the 'grass roots' on nuclear disarmament and peace; it is therefore a good source for a large variety of educational materials. Their slide show, "The Race Nobody Wins" comes with a teacher's guide ($10 per showing rental, $30 purchase for educators). The SANE Organizer's Manual ($5) provides information on how to start a chapter, how to lobby, etc. This and other publications cover such issues as conversion, jobs and the economic effects of arms race, etc. Send for a free resource list.

SIERRA CLUB (E)
530 Bush Street
San Francisco, CA 94108
415-981-8634

The nation's largest group dedicated to conservation and environmental protection. Their Environmental Education Packet ($4) includes resources for teachers, reading lists for students, article reprints, and policy statements. Bi-monthly magazine available.

STUDENT/TEACHER ORGANIZATION TO PREVENT NUCLEAR WAR (W)*
P.O. Box 232
Northfield, MA 01360
413-498-5311, ext. 264 or 418

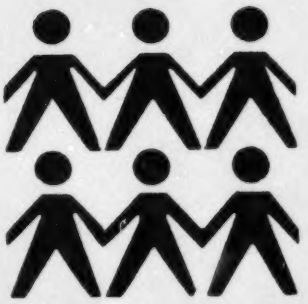
A nation-wide organization of high school students and teachers committed to informing their local school communities of the dangers of the nuclear arms race, the imminent threat of nuclear war, and the concrete actions young people can take toward reducing the threat of nuclear war. The many chapters around the country are autonomous maintaining a supportive network aided by the central office in Massachusetts. The organization is unique in that it produces a newsletter containing articles by both teachers and students, with a focus on the exchange of ideas for high school organizing projects. The newsletter also provides cartoons, current resources, and informative articles, and it is published six times a year. S./T.O.P. also provides buttons and T-shirts for sale, and a "First Presentation Packet" ($.30 each) for groups wanting to start a chapter. Membership is $7.00 for students, $15.00 for adults, and includes a subscription to the newsletter.

UNION OF CONCERNED SCIENTISTS (E & W)
1384 Massachusetts Avenue
Cambridge, MA 02238
617-547-5552

An organization of scientists, engineers, and other professionals concerned about the impact of advanced technology on society. Conducts independent technical studies on a range of questions related to nuclear arms, nuclear power plant safety, waste disposal, and U.S. energy policy. Maintains an extremely active public education program, including nationwide events, periodic TV and radio appearances, and frequent speaking engagements.

UNITED CAMPUSES TO PREVENT NUCLEAR WAR (W)*
1346 Connecticut Avenue, NW
Washington, DC 20036
202-223-6206

A national organization of college faculty



and students who are concerned about the threat of nuclear war. Seeks to introduce new courses on the arms race, and co-sponsors the annual Convocation on Nuclear War in November. Publishes a newsletter.

UNITED NATION CHILDREN'S FUND (UNICEF) (W)*
866 United Nations Plaza
New York, NY 10001
212-754-2193

Established in 1946 as a channel for international cooperation in providing emergency aid for children who were victims of war. UNICEF's activities now include a range of health, education and nutrition programs for children around the world. Their educational materials on peace are excellent, focusing on the real imbalance of social justice in the world, usually the motivator of violence.

WAR RESISTERS LEAGUE (W)
339 Lafayette Street
New York, NY 10012
212-228-0450

WRL is a national pacifist organization opposed to armaments, conscription, and war, relating such problems to economic and social justice. Their free *Booklist for Children* is a wonderful, annotated list of books that are "non-sexist, non-racist, and non-militarist."

WILMINGTON COLLEGE PEACE RESOURCE CENTER (W)*
Hiroshima/Nagasaki Memorial Collection
Pyle Center
Box 1183
Wilmington, OH 45177
513-382-5338

This college and museum has an impressive collection of teaching resources with special emphasis on books, films and other materials on the bombing of Hiroshima and Nagasaki. Many of the books offer children's accounts of what happened to them when the bomb fell and how they felt about it. Send a self-addressed, stamped envelope to obtain a

free copy of their catalogue, *Peace Education Resources.*

WOMEN STRIKE FOR PEACE (W)
145 South 13th Street
Philadelphia, PA 19107
215-923-0861

Founded in the early '60s by women dedicated to a achieving international disarmament under effective controls. Initiated and led the successful campaign to stop above ground nuclear testing, and they continue to work for a complete ban. Newsletter (contribution), leaflets and action alerts.

WORLD INFORMATION SERVICE ON ENERGY (E).
1346 Connecticut Ave, NW, 5th Floor
Washington, DC 20036

An international network of grassroots safe energy groups, with news relays in 13 countries. Members receive weekly communiques published by the U.S. office, and monthly bulletins compiled by the 13 relay offices. The group is funded through sales of buttons and bumper stickers with the smiling sun symbol and "Nuclear Power, No Thanks" in different languages.

WORLD WITHOUT WAR COUNCIL
WORLD WITHOUT WAR PUBLICATIONS (W)
67 E. Madison, Suite 1417
Chicago, IL
312-236-7459

This organization publishes many excellent resources for teachers, including John Dowling's "War/Peace Film guide" ($5.00). Books or pamphlets published by the World Without War Council are also available at a 40% discount for orders of 5 or more. Send for free resource list for descriptions and prices.

Government Agencies

ARMS CONTROL AND DISARMAMENT AGENCY
U.S. Department of State
Washington, DC 20451

Publishes information on disarmament treaties, ongoing negotiations, non-proliferation and other arms control issues. It also occasionally does studies of aspects of the military balance. Annually publishes World *Military Expenditures and Arms Transfers.*

U.S. DEPARTMENT OF DEFENSE
Office of Public Correspondence:
Staff Assistant for Public Affairs
OASD/PA, Room 2E777, Pentagon
Washington, DC 20301
202-697-5737

U.S. DEPARTMENT OF ENERGY
Technical Information Center
P.O. Box 62
Oak Ridge, TN 37830

Since the Office of Consumer Affairs has been virtually annihilated under the Reagan administration, teachers should write directly to the Technical Information Center for copies of free brochures and materials on energy. Many items are available only till the current stock runs out; funds have not been provided for reprinting.

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL EMERGENCY TRAINING CENTER
16825 South Seton Ave.
Emmitsburg, MD 21727

Responsible for developing national and overseeing local emergency disaster preparedness. FEMA is currently producing a school curriculum (K–12) on disaster preparedness—from hurricanes to nuclear war. According to teachers in New York who helped test the materials, the product is sure to be a controversial one. Write for further information.

U.S. GOVERNMENT ACCOUNTING OFFICE
Document Handling and Information Services Facility
P.O. Box 6015
Gaithersburg, MD 20760

The GAO reviews the general efficiency of government administration and particular procurement programs. A good source of authoritative critiques of Pentagon programs. Write for the Monthly List of GAO Reports, which includes an order form. Single copies of any GAO report are free.

Industry-related Organizations

ATOMIC INDUSTRIAL FORUM
Education Services
7101 Wisconsin Avenue
Washington, DC 20014
303-654-9260

AIF is a nonprofit international management association representing commercial nuclear industries. Teachers may order up to three copies of reprints of articles related to nuclear energy, sets of AIF brochures, and a "Teacher Packet on Nuclear Power" at no cost.

EDISON ELECTRIC INSTITUTE (EEI)
Educational Services
1111 19th Street, NW
Washington, DC 20036
202-826-7400

EEI is the trade association of approximately 200 investor-owned companies, and is recognized as the central source of information on electric energy and the electric utility industry in the U.S.

EEI distributes a free catalog with abstracts of general energy books, consumer materials, technical books, and references. Multimedia instruction kits produced by EEI can be purchased through local member companies.

OAK RIDGE ASSOCIATE UNIVERSITIES
Energy Education Division
PO Box 117
Oak Ridge, TN 37830
615-576-3031

ORAU is a nonprofit association of colleges and universities that works with the DOE and other private and government organizations to "solve societal problems relating to energy and the environment."

The Energy Education Division presents live education programs dealing with various aspects of energy to high school students using teacher-demonstrators and specific-subject training. In addition, ORAU offers energy conservation management training and has a team of energy auditors for school and hospitals.

V. Audio-Visual Resources—*An Annotated List*

Audio-Visual Resources are an essential part of any public education effort. This updated list of over 100 slide shows, films and audio tapes provides a broad choice of resources on nuclear weapons/war, nuclear energy/weapons, and alternative energy.

In using this Guide, please note: all programs are 16mm color films, except where stated otherwise; films especially suited for children or young adults are denoted by an indication of grade level; programs with especially disturbing content have been marked "adult only"; all other programs are suitable for general audiences. The audio resources are listed separately.

The distributors of these resources (designated by code letters) are listed in the back pages of this directory. We encourage you to contact the distributor before ordering, because prices are often subject to change, or may be on a sliding fee scale. Also, distributors can provide you with complete catalogues of offerings too numerous to be listed here.

A. Nuclear Weapons/War

AMERICA—FROM HITLER TO MX (1982). Scientists, politicians and military experts clarify the nightmare of U.S. nuclear weapons production, indicting U.S. aims in its long-standing first strike policy. An urgent plea for peace, with information not found in public libraries.
90 min.
PF $1,050 purchase – 16 mm
$115, rental – 16mm
$585, purchase – videocassette
$90, rent – videocassette

ATOMIC CAFE (1981). Feature-length documentary that chronicles nuclear weapons' history and the Cold War culture. Popularly acclaimed; uses satirical humor to point to the madness of the unbridled arms race.
87 min.
Inquire: Pierce Rafferty
P.O. Box 438
Canal Street Station
New York, NY 10013
(212) 989-7277

BETWEEN MEN (1979). Award-winning examination of masculinity and militarism.
57 min.
Level: grade 9–adult
UD $75, rental
$750, purchase

BOOOM (1979). Presents an animated history of aggression with scenarios of a possible holocaust. Raises the question: Does might make right?
11 min.
Level: grades 5–adult
JF $20, rental
$185, purchase

CLOUDS OF DOUBT (1979). Investigates government suppression of the consequences of the Nevada bomb tests. Shows the bombs' effects on military personnel and nearby residents, many of whom became cancer victims. Re-enacts a radio announcement that warns citizens to stay indoors for an hour until fallout "passes over."
50 min.
PSR—inquire
EAI—$150, purchase

CHILDREN OF THE A-BOMB. Award-winning portrayal of the A-bomb's effects upon Hiroshima survivors, as seen through the eyes of a young school teacher.
93 min; B&W
Level: grades 9–adult
WC: $10, rental in 16 mm, videocassette, videotape

THE DAY AFTER TRINITY: J.R. OPPENHEIMER AND THE A-BOMB (1981). The makers of the first A-bomb describe what it was like to work on the project and how they felt about the decision to use it on two Japanese cities. Excellent.
90 min.
Level: grades 9–adult
PY $125, rental
$960, purchase

THE DECISION TO DROP THE BOMB (1965). Covers the events from April 12 to August 6, 1945. Nonjudgemental; historically examines the events leading to the decision.
60 min; B&W
Level: grades 9–adult
WC $20, rental

EIGHT MINUTES TO MIDNIGHT (1981). Portrait of Dr. Helen Caldicott and her tireless struggle to arouse the public about the threat of nuclear weapons and war.
60 min.
Level: grades 9–adult
DC $150, rental (less for classroom use: inquire)

FOOTNOTES TO THE ATOMIC AGE (1969). NBC documentary reviewing weapons testing and the "Project Ploughshare" eras in U.S. history. Interesting and pertinent when seen from today's perspective.
2–22 min. parts
NECNP $25, rental

GEORGE KENNAN: A CRITICAL VOICE (1982). The former American ambassador to the Soviet Union and long-time observer of East-West relations talks about the chances for ending the superpower arms race.
58 min.
BP $90, rental
$690, purchase

GODS OF METAL (1982). The arms race is analyzed from a Christian perspective, showing the economic and social effects on people in the U.S. and the Third World, especially the poor.
MK $25, rental
$325, purchase

GROW IN PEACE (1982). Children, parents, a folk singer share their feelings about nuclear war and disarmament. Available as 16mm film or videocassettes.
10 min.
Level: grades 4–12
Inquire: Ron Taylor
1502 Columbine
Boulder, CO 80302
(303) 444-3340

HIROSHIMA DECISION (1980). Study of international relations and the arrival at the decision. Helpful in learning about modern global relations.
20 min.
AFSC $5, rental

HIROSHIMA/NAGASAKI 1945 (1970). Photographed by Japanese cameramen during the first weeks after the bomb fell in 1945. The footage, kept secret by the U.S. government for over 20 years, is less a historical record than a plea never to drop a bomb again.
16 min; B&W
Level: adult only
MMA $15, rental
AFSC $10, rental
WC $15, rental
IU $7, rental

THE HOLE (1962). Animated film focusing on disarmament: two construction workers argue about the causes of accidents when a building collapses, and they think the city has been destroyed by a bomb.

15 min.
Level: all ages
FI $30, rental

HOSTAGE AT HELL'S BOTTOM (1982). Dramatically demonstrates the connections between high military spending and rising inflation and unemployment. 140 slides with cassette and script.
19 min.
PM $20, rental
$65–85, purchase

IF YOU LOVE THIS PLANET (1982). Dr. Helen Caldicott paints a frightening picture of the events that would follow just one nuclear explosion. She makes an urgent plea to the public calling for a halt to the arms race.
CAN $375, purchase – 16mm
$110, purchase – videocassette

FABLE SAFE (1971). Animated satire pointing up the folly of the spiralling arms race.
9 min.
Level: grades 7–adult
CIR $20, rental
$150, purchase

THE FRONT LINE. Story of Cambridge, Mass. City Councillors, public safety officials and experts on nuclear weapons deciding to reject the crisis relocation plan.
40 min.
NCPEP P.O. Box 2715
Boston, MA 02208
$30, rental
$60, purchase

CHRISTIANS AND THE ARMS RACE. Raises basic questions and themes from the Bible and Christian doctrine that bear upon unbridled military buildup.
15 min.
slides/cassette
RV $10, rental
$50, purchase

THE LAST EPIDEMIC (1981). Records a conference sponsored by PSR in 1980. Several prominent physicists and arms controllers speak on the consequences of nuclear war: destruction of the ozone layer, civil defense impracticalities and the destructive capability of a single submarine are included topics.
36 min.
RCNV $350, purchase – 16 mm
$125, purchase – video
WC $20, rental

MISSILES OF OCTOBER (1975). Excellent re-creation of the Kennedy administration and the Cuban missile crisis. Terrifyingly true story of the inner workings of governments at the brink of disaster. Nominated for eight Emmy awards.
155 min. Four parts.
Level: grades 9–adult
SYR $75, rental

NICK MAZZUCO: A BIOGRAPHY OF AN ATOMIC VET (1982). Story of a man who witnessed 18 atomic tests in Nevada and later developed a rare cancer.
Level: grades 10–adult
CS Inquire
GMP $30–55, rental
$400, purchase – 16 mm
$200, purchase – videocassette

NO FRAMES. NO BOUNDARIES. (1982). This film explores the "frames" of reference A-V Nuclear Weapon/War and artificial "boundaries" that exist between nations, and the current spending of $500 billion each year for armaments to defend them. Also traces the growth of the global peace movement. Designed to stimulate discussion of the nuclear threat and what it means to us as individuals.
21 min.
Film $250 purchase
Videotape $50–$75 purchase
Order from: Creative Initiative
222 High Street
Palo Alto, CA 94301
(415) 328-7756

THE NUCLEAR BATTLEFIELD (1981). This is a segment of a series on the nuclear war danger produced by CBS News. This portion shows the tactics to be used in a nuclear war.
52 min.
Level: grades 10–adult
CBS $60, rental
$390, purchase

NUCLEAR NIGHTMARES: WARS THAT MUST NEVER HAPPEN (1980). Peter Ustinov acts out four possible scenarios of nuclear war. Brings irreverent and cynical understatements together, pointing to the absurdity and possible gruesome consequences of the nuclear arms build-up.
52 min.
Level: grades 9–adult
CF $175, rental – 16 mm
$140, rental – video

NUCLEAR PROLIFERATION: RACE TO EXTINCTION? (1982). Brief overview of the history of the arms race. Very basic information, from a neutral perspective. With teachers' guide. Suitable for classroom use only.
Level: high school
slides/cassette
EEM $27, purchase

NUCLEAR COUNTDOWN (1978). Presents the history of the arms race: benchmarks, treaties, successes, failures.
28 min.
JF $40, rental
$385, purchase

PIKADON (1980). Animated description of the horror in Hiroshima and Nagasaki when the bombs fell.
10 min.
UAJ $25, rental

THE PORTABLE PHONOGRAPH (1977). Parable of humankind's aspirations and downfall, shown in the aftermath of a nuclear war. Provides a scenario of how impossible life would be after the breakdown of civilization.
24 min.
Level: grades 9–adult
EB $21, rental
$415, purchase

THE RACE NOBODY WINS (1981). Tony Randall narrates a clear, understandable explanation of the arms race, showing how disarmament and economic conversion are realistic alternatives. Describes the costs and destructiveness of weapons. Study guide included.
15 min.
80 slides w/cassette and script
Level: grades 8–adult
SANE $10, rental
$45, purchase

SAVE THE PLANET (1979). A montage of archival footage that tells the story of the atomic age, from the 50's "atoms for peace" propaganda to recent TMI activist rallies. Imaginative; fast paced.
18 min.
GMP $25–55, rental
$350, purchase

SURVIVAL OR SUICIDE? (1979). An examination of the perils of the US/Soviet arms race, and a discussion of the nuclear arms control negotiation process.
27 min.
Level: grades 9–adult
AC $50, rental

THINKING TWICE ABOUT NUCLEAR WAR (1981). Depicts a middle-class American family that learns about the arms race and nuclear war, trying to come to terms with these realities.
30 min.
SK $40, rental – 16mm and videocassette
$450, purchase – 16mm and videocassette
PIVN $75, rental
$250, purchase

THE TIME HAS COME (1982). Documentary about the international nuclear disarmament movement.
27 min.
Level: grades 9–adult
NARMIC $55, rental
$250, purchase

THE WAR GAME (1965). The classic, horrifying enactment of a nuclear attack on civilians and its aftermath.
50 min.
Level: adult only
FI $150, rental
PSR inquire

WAR WITHOUT WINNERS. People expressing their fears, thoughts, and hopes about the future in an age of nuclear weapons.
27 min.
Level: grades 9–adult
FI $300, purchase
$35, rental

UNFORGETTABLE FIRE: DRAWINGS BY A-BOMB SURVIVORS (1975). Selected drawings of survivors help reveal what happened—minute by minute—in August, 1945.
15 min.
Level: grades 9–adult
AFSC $10–15, rental
WC $5, rental

TO KNOW IS TO ASK WHY. Speculates on how the arms race began and tells who profits from nuclear power.
Level: grades 10–adult
160 slides/cassette
PG $75, purchase

B. Nuclear Energy/Weapons

ACCEPTABLE RISK? THE NUCLEAR AGE IN THE US. A step-by-step overview of both nuclear power and weapons production contrasts the nuclear establishment's belief that the industry is indispensable with the beliefs of people affected by the nuclear age: Navajo miners, atomic workers, a Hiroshima survivor. Instructs in areas of science, social studies, history. Excellent for teachers.
36 min.
Level: grades 7–adult
NARMIC $60, purchase – slide show
$50, purchase – filmstrip
$15, rental
WC $5, rental

ARE YOU READY FOR SPENT FUEL? (1981). A hardhitting slide presentation documenting the hazards of shipping spent nuclear fuel on the nation's roadways.
20 min.
slides/cassette
CI $50, purchase
$25, rental

A SMALL CASE OF BLACKMAIL. Examines dangers of sabotage associated with power plants, transport of fissionable materials and terrorist groups.
27 min.
IF $55, rental
$500, purchase

ATOMIC AGE: A TRAIL OF VICTIMS (1980). Documents the plights of veterans, nuclear workers, uranium miners and civilians who unwittingly exchanged their health for working around radiation.
20 min.
slides/cassette
AF $10, rental
CH$10, rental
$50, purchase

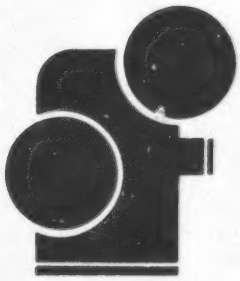
ATOMIC AMERICA: THE PRICE OF POWER. Blends music, graphs, cartoons, news broadcasts and interviews to examine the failed economic and safety promises of nuclear power. Waste, faulty design, decommissioning, poor regulation and solar power as an alternative are all discussed.
22 min.
Level: grades 10–adult
slides/cassette
GMP $34, rental
$55, purchase

ATOMIC POWER AND THE ARMS RACE: TWIN EVILS OF THE SPLIT ATOM (1980, revised). Originally titled "The H-Bomb Secret." Covers dangers of nuclear power and weapons, Trident, the neutron bomb, cruise missiles, the history of the arms race and the anti-nuclear movement.
60 min.
slides/cassette
VI no rental
$65, purchase
$5.50, handbook

THE ATOM AND EVE (1966). Popular with women's and anti-nuclear groups, this pro-nuclear piece portrays women as conspicuous consumers who need atomic power to keep their electric appliances humming. Takes a unique place in the history of media and propaganda.
15 min.
GMP $40–45, rental
Purchase: inquire

BETTER ACTIVE TODAY THAN RADIOACTIVE TOMORROW (1977). German filmmaker's look at the struggle to stop a power plant in Whyl. Includes footage from the demonstrations and occupations at the plant, and provides a close look at the lives of local farmers and citizens. Throws a critical light on central social structures.
65 min; B&W
GMP $45–100, rental
Purchase: Inquire

CHANGES (1979). Unnarrated documentary in which citizens tell how the TMI catastrophe affected their lives and



families.
29 min. ¾" video
Level: grades 7–adult
PS $18, rental
$250, purchase

DANGER! RADIOACTIVE WASTE (1977). NBC documentary covering the problems of nuclear waste disposal. Interviews with the NRC, scientists and citizens. Covers the health dangers of radiation and the inability of the government and industry to solve the problem.
50 min.
Level: grades 9–adult
NECNP $25, rental
MM $21.65, rental

DON'T WASTE AMERICA (1982). Examines all aspects of the nuclear waste issue: high and low-level waste, storage and disposal dangers, economic and safety costs and current political controversy. Narrated by actor John Houseman.
20 min. w/footnoted script
Level: grades 9–adult
slides/cassette
NIRS $15, rental
$45, purchase

ENERGY (1973). Three top scientists, Linus Pauling, George Wald and Philip Morrison discuss the elusive meaning of energy. Focus is on entropy, atomic power and new energy sources that could replace environmentally damaging ones.
MH $31, rental
$305, purchase
$230, purchase – videocassette

ENERGY POLITICS: THE NUCLEAR CONTROVERSY (1981). Gives both sides of the nuclear power debate. Also briefly discusses alternative energy. A good history of the development of nuclear power.
15–18 min.
Filmstrip/cassette with teacher's guide
Level: grades 9–12
EEM $27, purchase

HARRISBURG. Covers the nuclear accident at TMI in a montage of radio, televi-

sion and print coverage.
20 min. B&W
BF $28.50, rental
$250, sale available in videocassette with teacher's guide

HIDDEN LEGACY: A PROFILE OF RADIOACTIVE BURIAL GROUNDS (1982). A slide show examining the extent and danger of the low-level waste problem.
15 min.
SC $55, purchase
$15, rental

I HAVE THREE CHILDREN OF MY OWN. Dr. Helen Caldicott narrates this presentation on the health hazards of nuclear power. Presents easily-understood information on the many-sided, irrevocable dangers of nuclear development for peacetime use.
20 min.
PM $53, rental – slide show
$24, rental – filmstrip

INCIDENT AT BROWNS FERRY. Examines the implications of a seven-hour fire, started by a candle, which caused a 50-month shutdown and $150 million in damages at the Alabama nuclear plant.
58 min.
From "NOVA" series
TL $60, rental

IN OUR BACKYARDS: URANIUM MINING (1982). Discusses the politics of uranium, the fuel of nuclear weapons and power plants. Probes accidents and cover-ups in connection with mining near Navajo reservations.
29 min.
BF $40, rental

THE INTELLIGENCE NETWORK. General introduction to the government's use of police power to suppress lawful activity, including anti-nuclear organizing.
35 min.
CP $45, rental
$350, purchase

THE LAST SLIDE SHOW (1977). The dangers of the arms race and the potential for holocaust are examined as well as the possibility for successful disarmament. Overall optimistic tone.
24 min.
Level: grades 10–adult
PM $53, purchase – slide show
$24, purchase – filmstrip
$15, rental
AF $10, rental
MFS $10, rental
WIL $5, rental

LOVEJOY'S NUCLEAR WAR (1976). Award-winning story of one man's feeling about nuclear power and his consequent act of civil disobedience against it. At his trial, Sam Lovejoy convinced the jury that his act of tearing down a tower was one of self-defense.
60 min.
Level: grades 9–adult
GMP $45–100, rental
$725, purchase available in videocassette
NECNP $25, rental
WC $20, rental

MORE NUCLEAR POWER STATIONS (1976). Award-winning Danish film that exposes the inner workings of nuclear plants and waste disposal systems. This film played a critical role in generating public support for the nuclear moratorium in Denmark.
50 min.
NECNP $25, rental
GMP $45–100, rental
$800, purchase
$400, purchase – videocassette

NO ACT OF GOD (1978). Tackles the central issues and threats of nuclear power; investigates worldwide proliferation of plutonium and weapons, and the connection between these and nuclear power. Features speakers on both sides of the issues, and animation.
25 min.
BF $35, rental
$410, purchase
$395, purchase – videocassette
NECNP $20, rental

NUCLEAR ENERGY: TOO HOT TO HANDLE? (1979). Both sides of the nuclear energy issue: the remarks of physicist Michio Kaku versus those of the physicist Mark Mills. Basic information is correct, but somewhat dated.
Level: grades 7–12
Filmstrip/cassette
CA $33, purchase

NUCLEAR POWER: PRO & CON (1977). Examines both arguments surrounding nuclear power: whether or not the U.S. should increase or phase out nuclear energy. Claims that plants' safety record has been outstanding, but the imperfection of plants and operators is stressed. In two parts.
50 min.
UC/EMC $50, rental
MH $695, purchase
$525, videocassette
SYR $21.50, rental

NUCLEAR POWER: WAR AND PROFIT (1982). Makers of "We Are the Guinea Pigs" have used footage from that film to create a film for "the student classroom or union hall." Looks into the aftermath of the TMI accident, plus examines health and safety issues of nuclear power. Shows links between nuclear power and the nuclear arms race.
22 min.
Level: grades 7–adult
PL $40, rental – videocassette
$60, rental – 16mm
$215, purchase – videocassette
$325, rental – 16mm

NUCLEAR REACTION IN WHYL (1977). Story of successful protests among French, German, and Swiss citizens that saved a natural habitat along the Rhine river, where a power complex had been planned.
15 min.
NECNP $10, rental
$200, purchase
GMP $20–45, rental
$200, purchase

OUR SHARE AND THEN SOME (1982). A look at the nuclear weapons and power complex in South Carolina. Slide show with taped narration. Good for local area teachers.
15 min.
Level: grades 10–adult
CP $45, purchase
$15, rental

PAUL JACOBS AND THE NUCLEAR GANG (1979). Explains how nuclear radiation, for weapons or power, causes cancer. Describes how U.S. agencies have lied and covered up the ghastly repercussions of exposure to radiation, and how the late journalist Paul Jacobs tried to uncover the truth.
60 min.
NTF $75, rental
$750, purchase

PEOPLE AND ENERGY IN THE SOUTHWEST. Presents the effects of uranium mining on the native peoples of New Mexico, who suffer very high rates of cancer.
25 min, slides and script.
Level: grades 9–adult
NM $125, purchase for groups
$200, institutions

PLUTONIUM: AN ELEMENT OF RISK (1977). Jack Lemmon narrates this investigation of plutonium usage in nuclear power. Presents an international perspective – examines plutonium use in Europe, Japan and the U.S. So controversial many stations refused to air it.
59 min.
PBS $70, rental – ¾" U videocassette only
$200, purchase – other videocassette

RADIATION AND HEALTH (1978). Debate between Dr. Helen Caldicott and Reginald Rogers, Director of Radiological Assessment for Northeast Utilities. Con-

tains easily understood information on the basic effects of radiation.
18 min.
GMP $20–45, rental
$225, purchase

RADIATION: IMPACT ON LIFE (1982). Interviews with radiation experts like Dr. John Gofman, mixed with eye-catching animation, combine to explain radiation and its dangers. Study guide to be available.
22 min.
Level: grades 9–adult
BF $350, purchase – film
$95, purchase – video
$35, rental

SEABROOK–DO WE NEED IT? (1977). Traces the four-year history of a nuclear plant in New Hampshire. Examines the larger question of who decides how much power the public needs and how it will be obtained. Covers waste, safety and alternative energy issues.
30 min.
WNET $45/day, rental
$245, purchase – videocassette

SENTENCED TO SUCCESS (1978). Produced by the French Atomic Workers Union, this film examines the LeHague reprocessing plant and radiation dangers to workers there. Award-winning.
60 min.
GMP $45–$100, rental
$725, purchase

SOUTH AFRICA: THE NUCLEAR FILE (1979). With one of the world's largest uranium deposits, South Africa's nuclear industry has been developing for two decades. The film looks into this development and the possibility of weapons proliferation.
58 min.
VF inquire

WE ARE THE GUINEA PIGS (1980). Award-winning close-up of the lives of Harrisburg citizens, and what the TMI catastrophe has done to them. Examines the lies, coverups and hazards connected with the nuclear industry.
90 min.
PF $95, rental
$80, videocassette
$700, purchase
$450, videocassette

WOMEN AND POWER IN THE NUCLEAR AGE. Dr. Helen Caldicott speaks to women, using her life as an example of how an individual can make democracy work.
30 min.
HH $40, rental
$175, purchase

C. Alternative Energy

BATES' CAR (1975). Describes rural Englishman Harold Bates' methods for converting manure, straw and water into methane fuel. The film does not clearly explain costs of this fuel conversion system.
16 min.
Level: High school
MM $8.90, rental
UC/EMC $24, rental

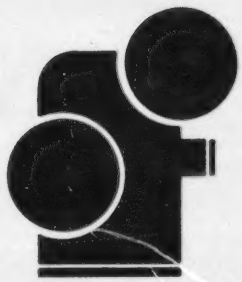
BILL LOOSELY'S HEAT PUMP (1976). Presents a tour of an Ontario, Canada home that draws geothermal heat from the ground. Concise explanation of costs and workings of the device. Owner pays only $75/year in heating bills!
10 min.
Level: High school
NECNP $10, rental
BF $165, purchase
$150, purchase video
$15, rental

THE BIOGAS OPTION (1981). Follows the development of biogas, or methane energy, from its inception in India to its widespread use as motor fuel in several American cities.
25 min.
BF Inquire

DAWN OF THE SOLAR AGE (1977).
Part I: Examines the large, centralized solar facilities currently in use. Discusses the potential of photovoltaics: states that the costs of solar are high. Does not include discussion of passive solar applications.
29 min.
Part II: A look at centralized, high-tech solutions for harnessing the solar-based energy of wind. Examines the potential of ocean wave energy.
25 min.
From the *Nova* series.
TL $60, rental ($40 each part)
$700, purchase ($400 each part)
$200, purchase – ¾" vid ($150 each part)
$150, purchase – ½" vid ($100 each part)

DESERT CLOUD (1976). Visually intriguing, award-winning look at self-inflating solar raft launched in Kuwait. Looking like a giant caterpillar, it graces the sky, creating shade and rain in the desert.
18 min.
BF $25, rental
$270, purchase
$250, purchase video-cassette
NECNP $10, rental

ENERGY: THE DILEMMA (1980). Surveys our continuing increased use of fossil-derived energy: examines these sources



(oil, gas and coal) and the causes of demand increase. Looks at nuclear power and the special hazards of reactors, as well as government and industry forces that shape energy policy. Concludes with brief summary of potential new energy sources. With study guide.
CL $400, purchase
16mm and videocassette

ENERGY AND MORALITY. Examines the relationship between increasing energy consumption and our changing ethical and moral values. Combines visual metaphors, dramatics, animation and statements from E.F. Schumacher, Amory Lovins and Howard T. Odum.
40 min.
BR $45, rental
$400, purchase

ENERGY: NEW SOURCES. Surveys solar and geothermal energy, nuclear fusion and synthetic fuels. Examines costs, environmental impact, availability and the efficiency of each. Briefly covers energy from wind, tides, trash burning, methane and thermal gradients.
24 min.
CL $19.95, rental
$250, purchase
EAC $21, rental

EQUAL RIGHTS TO THE SUN (1979). Documents low-cost solar projects in Boston, and how the owners save money by using solar in an urban area with few energy resources.
25 min.
BF $35, rental
$370, purchase
$250, purchase video-cassette

GENERATION ON THE WIND (1980). Story of a year-long endeavor to build a wind generator near the New England coast. An unexperienced group of workers encounter frustration but finally succeed and realize the time-honored values of ingenuity, hard work and cooperation. Academy Award nominee. With study guide.
26 min; long version 58 min.

Level: High school
CL $450, purchase
16mm and videocassette

GRASSROOTS ENERGY. Covers the progression of farmers from protest action to appropriate technology via grassroots organizing.
28 min.
AV Inquire

GO (1978). A conservation film for younger children. Narrated by a child; examines energy sources and the need to save energy through recycling, composting and foodgrowing.
10 min.
Level: grades 1–4
BF $15, rental
$175, purchase
$175, purchase – videocassette

HOW TO MAKE A SOLAR HEATER (1977). Explains the principles of solar energy applications; shows step-by-step construction of a solar heater at reasonable cost.
20 min.
HF $290, purchase

INTRODUCTION TO SOLAR ENERGY, INTRODUCTION TO PASSIVE SOLAR DESIGN, LOW-COST RETROFITS, TWENTY SOLAR GREENHOUSES YOU CAN BUILD. These four slide shows demonstrate how solar constructions can be built inexpensively and fitted to a wide range of housing types.
approx. 10 min. each
SW $20 each, purchase
$70, purchase for set

LOVINS ON THE SOFT PATH (1982). Covers the fundamentals of the economically viable soft path. A physicist and lawyer bring their message across clearly: the public must learn to use appropriate, renewable energy sources.
36 min.
BF $75, rental
$550, purchase
$275, purchase – videocassette

NEW ENGLAND COALITION ON NUCLEAR POLLUTION SLIDE SHOWS. Series of six shows that give good foundtion on alternative energy.
1. "Solar I"–24 slide intro to solar energy with tape and text.
2. "Wind I"–20 slide intro to wind power with tape, text.
3. "Solar Building Slide Kit"–with text.
4. "Solar Energy"–Ready When You Are–40 slides, with tape.
5. "New Clear View of Nuclear Power"–the story of NECNP, with tape.
25 min.
Level: grades 9–12
Rental: $5 each plus shipping

THE POWER TO CHANGE. Narrator Joanne Woodward introduces the basic concepts of appropriate technology through a focus on eight successful energy projects in the U.S. Includes interpretive commentary on the use of human-scale solutions to major social and economic problems. With study guide.
28 min.
Level: High school
TE $40, rental
$425, purchase

PUTTING ENERGY ALTERNATIVES TO WORK (1977). Documentary on an alternative energy workshop in Michigan in which citizens effectively harnessed wind, sun and methane energy.
18 min.
NECNP $10, rental

THE SOLAR FRONTIER (1978). Features three types of average-income solar houses in the Canadian snowbelt. Explains costs, performance and the working of each system, using animation. Award-winning.
24 min.
BF $30, rental
$370, purchase
$350, rental – videocassette

TOAST (1974). Without words, this film depicts the petroleum resources and processes necessary to produce one piece of toast. Good discussion starter for younger students. Includes study guide.
12 min.
Level: grades 3–up
BF $18, rental
$195, purchase
$180, purchase – videocassette
NECNP $10, rental

TO CAPTURE THE POWER OF THE SUN AND TIDE (1974). Examines the prospects for future use of tidal and solar energy; visits the world's only operating tidal power plant in France. Surveys research on solar energy, presenting inexpensive systems for home use.
24 min.
UC/EMC $20, rental
IU $10.25, rental

TURN A HANDLE, FLICK A SWITCH (1972). Explains the fundamentals of water, gas and electrical energy to make children more aware of these power sources in homes.
11 min.
Level: grades 2–4
CL $190, purchase –
16mm and videocassette

WE'VE GOT THE POWER (1980). Introduces the hard and soft energy paths, using cartoons and music. Makes suggestions as to how people can get involved in determining their community's energy future.
30 min. w/tape, script
Level: High school–adult
AFSC $15, rental
$50, purchase – filmstrip
$70, purchase – slide show

D. Audio Programs

***SHADOWS OF THE NUCLEAR AGE.** A radio series, on reel-to-reel and cassette. 13–30 minute programs raising questions about the impact of the nuclear arms race on social, ethical and economic issues: "Seven Minutes to Midnight," "Hiroshima: The Decision to Use the Bomb," "Story of the H-Bomb," "The Years of Nuclear Testing," "The Missile Crisis," "The Road Not Taken: Protest and the Bomb," "Nuclear Hollywood," "Nuclear Anxiety: Coping with the Eve of Destruction," "Memos and Megatons–How We Talk About the Bomb," "Literature of Apocalypse," "Swords and Plowshares–The Economy of the Arms Race," "Ethics and Options for a Threatened Planet," "Where Do We Go From Here? The Great Nuclear Debate." w/transcripts and teacher's study guide
Level: grades 9–12
$90 for set, $7 each
SANE Education Fund
5808 Greene St.
Philadelphia, PA 19144
215-848-4100

SAFE ENERGY RESOURCE CENTER, INC.
195 East Main Street
Smithtown, NY 11787
516-360-3989
Radio Programs
reel-to-reel–$12 rental, $25 purchase
cassettes–$6 rental, $11 purchase
selected programs

AMORY AND HUNTER LOVINS (1982). Interview with two of the best-known soft energy advocates. Discussion on the fate of energy efficiency and solar under the Reagan Administration and the status of nuclear power and alternatives in France and Japan.
59 min.

DISARMAMENT SERIES (1982). Lectures by Kurt Vonnegut, Dr. Helen Caldicott and others at the Church of St. John the Divine in New York.

HARVEY WASSERMAN: KILLING OUR OWN. (1982). An interview with the co-author of *Killing Our Own: America's Disastrous Experience with Atomic Radiation.* Wasserman discusses the plight of atomic vets, the misuse of medical X-rays and TMI.

NUCLEAR POWER IN AMERICA (1982). Gives overview of the financial status of the industry featuring analysts from Merrill Lynch and the NRC; also Ralph Nader and economist Charles Komanoff.
45 min.

PEACE IS YOUR BEST INVESTMENT (1981). *New York Times* columnist and reporter Leonard Silk discusses the economic effects of the proposed military buildup in the U.S.
30 min.

Edited recording of symposium at Herbst Theater, San Francisco in 1980. Can be purchased as a set (8 hours) or by panel:
THE THREAT OF NUCLEAR WEAPONS, NUCLEAR WAR: ACUTE EFFECTS, NUCLEAR WAR: INTERMEDIATE AND LONG TERM EFFECTS, POLITICAL AND ECONOMIC ASPECTS OF THE ARMS RACE.
$25 purchase complete set
$8 per panel

ENVIRONMENTAL POLLUTION AND THE POINT OF NO RETURN. A montage of speeches from the 1980 Black Hills Survival Gathering.
90 min.
$9.50 purchase
White Buffalo Multimedia
P.O. Box 73
Woodstock, NY 12498

PHYSICIANS FOR SOCIAL RESPONSIBILITY. Two hours of highlights of PSR organized symposium at Harvard Science Center in 1980 with Drs. Abrams, Feld, Geiger, Hiatt, Kendall, Kistiakowsky, Lifton, Luria and Mark.
audiocassettes
$10 purchase

SHOREHAM: WHAT WENT WRONG? (1982). Two programs on the award-winning Newsday series about the cost overruns during the Shoreham plant.
each program 58 min.

E. Audio-Visual Distributors

AC, American Committee for East-West Accord, 227 Mass. Ave. NE, Suite 700, Washington, DC 20002

AFSC, American Friends Service Committee, 1501 Cherry St., Philadelphia, PA 19102, 215-241-7175

AV, Audio-Visual Library Service, University of Minnesota, 3300 University Avenue, St. Paul, MN 55414

BF, BullFrog Films, Oley, PA 19547, 215-779-8226

BP, Blackwood Productions, 251 West 57th Street, New York, NY 10019, 212-247-4710

BT, Bitterroot Films, Hammond Arcade, Missoula, MT 59801

CA, Current Affairs, 346 Ethan Allen Highway, P.O. Box 426, Ridgefield, CT 06877

CAN, National Film Board of Canada, P.O. Box 6100, Montreal, Quebec H3C 3H5

CBS, CBS News, Delores Suras, 524 West 57th Street, New York, NY 10019

CF, Corinth Films, 410 East 62nd Street, New York, NY 10021, 212-421-4770

CH, Citizen's Hearings For Radiation Victims, 317 Pennsylvania Ave. SE., Washington, DC 20003

CI, Citizen's Institute for a Positive Energy Policy, One Everett Avenue, Ossining, NY 10562

CIR, Cir. Film Program, 11 West 53rd Street, New York, NY 10019

CL, Churchill Films, 622 North Robertson Blvd., Los Angeles, CA 90060, 213-657-5110

CMP, Community Media Productions, Andy Garrison, 325 Grafton Avenue, Dayton, OH 513-223-8229

CP, Charleston Palmetto Alliance, P.O. Box 582, Charleston, SC 29402, 803-723-2192

DC, Direct Cinema Ltd. Library, P.O. Box 315, Franklin Lakes, NJ 07417, 201-891-8240

EAI, Electronic Arts Intermix, 84 Fifth Avenue, New York, NY 10011

EB, Encyclopedia Britannica Corp., 425 N. Michigan Avenue, Chicago, IL 60611, 312-321-4400

EEM, Educational Enrichment Materials, 357 Adams Street, Bedford Hills, NY 10507

FI, Films, Inc., 1144 Wilmette Avenue, Wilmette, IL 60091, 312-256-4730

GMP, Green Mountain Post Films, Box 229, Turners Falls, MA 01376, 413-863-4754

HF, Handel Films, 8730 Sunset Blvd., West Hollywood, CA 90060, 213-657-8990

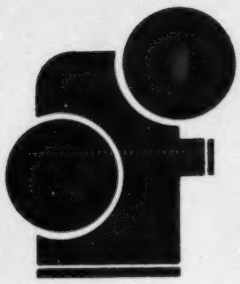
IF, Impact Films, 144 Bleeker Street, New York, NY 10012, 212-674-3375

JF, Journal Films, Inc., 903 Pitney Avenue, Evanston, IL 60202, 312-323-5448

MH, McGraw-Hill, 110 15th Street, Del Mar, CA 92014

MMA, Museum of Modern Art, Dept. of Film, 11 West 53rd Street, New York, NY 10010, 212-956-4204

NARMIC, National Action/Research on the Military-Industrial Complex, 1501 Cherry Street, Philadelphia, PA 19102, 215-241-7175



NECNP, New England Coalition on Nuclear Pollution, Box 637, Brattleboro, VT 05301, 802-257-0336

NIRS, Nuclear Information and Resource Service, 1346 Conn. Ave. NW, Washington, DC 20036

NM, People and Energy Research Project, 810 Vassar NE, Albuquerque, NM 87106, 505-266-5009

NTF, Now Time Films, 1501 Broadway, Suite 1104, New York, NY 10036, 212-921-7020

PBS, Public Broadcasting Service, 475 L'Enfant Plaza, SW., Washington, DC 20024, 800-424-7963 toll-free

PF, Parallel Films, 314 West 91 Street, New York, NY 10024, 212-580-3888

PG, The Progressive Foundation, 315 West Gorham Street, Madison, WI 53703

PIVN, Public Interest Video Network, 1055 Thomas Jefferson Street, NW, Washington, DC 20007, 202-298-5558

PM, Packard-Manse Media Project, Box 450, Stoughton, MA 02072

PSR, Physicians for Social Responsibility, 639 Massachusetts Ave., Cambridge, MA 02139, 617-491-2754

PY, Pyramid Films, P.O. Box 1048, Santa Monica, CA 90406

RCNV, Resource Center for Non-Violence, P.O. Box 2324, Santa Cruz, CA 95063, 408-423-1626

SANE, SANE, 711 G Street SE, Washington, DC 20003, 202-546-7100

SC, Sierra Club Radioactive Waste Campaign, 3164 Main Street, Buffalo, NY 14214, 716-832-9100

SK, Skye Pictures, P.O. Box 33145, Washington, DC 20033, 202-265-7846

SW, Southwest Research and Information Center, P.O. Box 4524, Albuquerque, NM 87106, 505-242-4766

SYR, Film Rental Center, Syracuse University, 1455 E. Colvin Street, Syracuse, NY 13210, 315-423-1870

TE, Third Eye Films, 12 Arrow Street, Cambridge, MA 02138, 617-354-1500

TL, Time-Life Video, Time-Life Building, New York, NY 10020

UAJ, Union of American and Japanese Professionals Against Nuclear Omnicide, Central Pennsylvania Chapter, P.O. Box 156, Grantham, PA 17027

UC/EMC, Lifelong Learning, University Extension-Media Center, University of California, Berkeley, CA 94720

UD, United Documentary, P.O. Box 315, Franklin Lakes, NJ 07417, 201-891-8240

VF, Villon Films, Brophy Road, Hurleyville, NY 12747

VI, Visual Information Project, Box 40602, Washington, DC 20016, 202-536-6380

WC, Wilmington College Peace Resource Center, Pyle Center, Box 1183, Wilmington, OH 45177, 513-382-5338

WNET, Penelope Cox, WNET/Thirteen, 356 West 58th Street, New York, NY 10019, 212-560-2000

Other Distributors

Due to limited space, we cannot list the hundreds of films available on nuclear and energy issues. However, this supplemental list may help your organization turn up some gems. Again, please double-check with the company before ordering from a catalogue, as prices and stock are subject to change.

Audio Brandon, 34 MacQueston Parkway South, Mount Vernon, NY 10550, 914-664-5051

Boston University Krasker Memorial Film Library, 765 Commonwealth Avenue, Boston, MA 02215, 617-353-3272

Carousel Films, 1501 Broadway, New York, NY 10036, 212-354-0315

Cinemafest, 308 11th Street, San Francisco, CA 94103, 415-626-5597

Clergy & Laity Concerned, 198 Broadway, New York, NY 10027, 212-964-6739

DEC Films, 121 Avenue Road, Toronto, M5R 2G3, 416-964-6901

Department of Energy Film Library, Technical Information Center, P.O. Box 62, Oak Ridge, TN 37830, 615-576-1287

Downtown Community Television Center, 153 Centre Street, New York, NY 10013, 212-966-4510

Fellowship of Reconciliation, Box 271, Nyack, NY 10960, 914-358-4601

Film Images, 1034 Lake Street, Oak Park, IL 60301, 312-386-4826

Film News Now Foundation, 350 Broadway, Suite 1207, New York, NY 10013

High Hopes Media, 233 Summit Avenue, East, Seattle, WA 98102, 206-322-9010

IRIS Films, Box 5353, Berkeley, CA 94705, 415-835-9118

Indiana University AV Center, Office for Learning Resources CPR, Bloomington, IN 47401, 812-337-2853

Intercommunity Center for Justice and Peace, 20 Washington Square North, New York, NY 10011, 212-475-6677

Latin American Film Project, Box 315, Franklin Lakes, NJ 07417, 201-891-8240

Maryknoll Films, Maryknoll, NY 10565

Micronesia Support Committee, 1212 University Avenue, Honolulu, HI 96826, 808-942-0437

New York University Film Library, Dr. Daniel Lesser, Director, 26 Washington Place, New York, NY 10003, 212-598-2250

Operation Turning Point, Institute for World Order, 777 UN Plaza, New York, NY 10017, 212-490-0010

Pandora Films, 1697 Broadway, Room 1109, New York, NY 10019

Sterling Films, 241 East 34th Street, North, New York, NY 10016

Third World Newsreel, 160 Fifth Avenue, Room 911, New York, NY 10010, 212-243-2310

Unifilm, 419 Park Avenue, South, New York, NY 10016, 212-686-9890

UN Films, United Nations, Room 808, New York, NY 10017, 212-754-6939

University of Michigan, AV Educational Center, 416 Fourth Street, Ann Arbor, MI 48109, 313-764-5360

War Resister's League, 339 Lafayette Street, New York, NY 10012, 212-228-0450

Women's International League for Peace & Freedom, 1213 Race Street, Philadelphia, PA 19107, 215-563-7110

Special Resources

A computer file containing hundreds of annotated films on the arms race and nuclear war, updated periodically, is available at cost from John Dowling, Film Editor of the *Bulletin of Atomic Scientists.* Send $2 to John Dowling, Physics Department, Mansfield State College, Mansfield, PA 16933. This listing is a supplement to his book: *War Peace Film Guide,* a collection of 287 annotated films. For a complete list of available media, contact Media Network's Information Center, 208 West 14th Street, New York, NY 10081. 212-620-0878.